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Pay Support Grows, Hearings Seen Near

The Cordiner Plan, shunted aside by the Budget Bureau, has gained new support outside the Administration, as preliminary preparations were being made in the Senate for the start of pay hearings by a special Armed Services Subcommittee.

The Governors Conference at Williamsburg, Va., this week unanimously endorsed a resolution calling for quick action on the "pay for merit" program advocated by Chairman Ralph J. Cordiner and his Advisory Committee associates.

As the Governors were taking this important action—a kickoff for efforts to gain wide public support for the revolutionary pay scheme—reports circulated on Capitol Hill that the Senate Subcommittee headed by John Stennis (D-Miss.) might launch its inquiry on or about 8 July.

There was some fear, however, that forthcoming debate on civil rights legislation in the Senate might delay the start of the pay hearings.

Featured witnesses will be Mr. Cordiner, who is President of the General Electric Company, and Secretary of De-

—Continued on page 3

80,000 VIE FOR REGULAR ARMY-AF BILLETS

The first of more than 20,000 FY '58 appointments of Reserve officers on active duty in the Regular Army and Regular Air Force are slated to reach Capitol Hill next week. President Eisenhower will name about 1,000 Army officers for Regular ranks—mostly as lieutenants, but with some captains and majors also. The list will be published in next week's issue of THE JOURNAL.

There had been some hope the Army nominations would reach the Senate this week, but last minute delays occurred.

More than 22,000 Army officers applied for Regular status. The initial increment of 1,000 appointments will be followed by about 4,500 more early in 1958. All told, the Army plans to make 5 appointments in permanent colonel rank, 130 as lieutenant colonel, 975 as major, 2,440 as captain, 1,450 as first lieutenant and 500 as second lieutenant.

The Air Force will begin consideration on 8 July of more than 59,000 applications for Regular billets, with authorization for as many as 19,644 appointments. Likelihood is that the Air Force, like the Army which had planned over 7,000 appointments, will reduce the initial increment somewhat, possibly making 15,000 to 16,000 appointments.

(ARMY CHOOSES 1,750 FOR LT. COL., P. 2)

How Do Services Manage \$2 Million Per Day Traffic Bill? Agency Chief Gives Answers

BY MAJ. GEN. E. C. R. LASHER, USA,
Executive Director, Military Traffic
Management Agency

(AF NEEDS 200,000 VEHICLES
TO FLY, P. 9)

IN recent years, traffic management has been accorded a degree of attention and prominence that is establishing its status as a profession. More than ever before, industry is awakening to the importance of traffic management both as a means of reducing production and distribution costs, and in utilizing commercial transportation facilities more efficiently and effectively. Traffic management has assumed particular importance as industry decentralizes and diversifies, moving from crowded metropolitan areas

to sites offering relatively low population densities.

Decentralization, however, is not an unmixed blessing. Difficulties of adequate control arise which, in turn, may result in somewhat less than optimum operating efficiency. The most undesirable aspect of decentralized control arises when such operational dispersion results in multiplication of administrative, supply, and other functions related to traffic management. Both private business and the Government service have realized the economic drain that may ensue from the duplication of activities



Maj. Gen. Lasher

—Continued on page 22

Journal Highlights

The start of the new fiscal year will be marked by a series of top level command shifts in all the Services.

One change will see General Thomas D. White, USAF, take over as Chief of Staff from JCS Chairman-designate General Nathan F. Twining, USAF, as General Curtis E. LeMay, USAF, arrives from SAC Headquarters at Offutt AFB, Nebr., to be Vice Chief of Staff. Turn to Page 11 for stories and photographs related to the major command changes.

How does the Army go about testing new artillery weapons, including missiles? Col. Edward G. Shinkle, USA, Artillery Board President, tells answer in a special article on Page 17.

Retirement Pay Blast

The Pentagon is under new attack for a decision that has cost a career Naval officer his retirement pay. The charge is made that this represents "police state" action. Details are told on Page 2.

Services Have Seven Missiles In Operation; More Than Twenty Under Development

(TOP MISSILE MEN, P. 3)

THE Army, Navy, Air Force and Marine Corps enter fiscal '58 with seven operational guided missiles. At least 20 others are in various stages of development and some of these will be deployed to field units during the next year.

The Navy leads the field with five of its 11 known missiles already installed on Fleet ships and planes. Two of the Army's nine missiles—the Nike-Ajax and the Corporal—are operational, and two of the nine Air Force missiles—the Matador and Falcon—are assigned to fighting units.

Here's a rundown on the missiles, in use, or being developed for the Services and their major contractors:

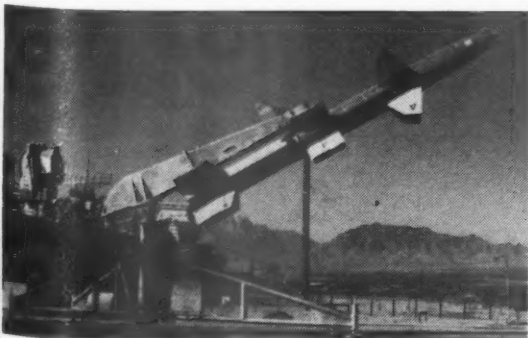
ARMY

SURFACE-TO-AIR

NIKE-AJAX (Western Electric Co. and Douglas Aircraft Corp.)—the Army's first supersonic antiaircraft guided missile designed to intercept and destroy enemy planes regardless of evasion action. It is about 20 feet long, a foot in diameter, and has two sets of fins for guidance and steering. The missile weighs more than a ton and is boosted to supersonic speed by a solid-propellant booster

—Continued on back page

TALOS, the Navy's surface-to-air-guided missile, poises on its launcher at the Naval Ordnance Missile Test Facility, White Sands Proving Ground, N. Mex., where it has been undergoing flight tests. Talos, built by Bendix, will form the major armament of the USS Galveston, now undergoing conversion to a guided missile cruiser at the Philadelphia Navy Yard.



ARMY SEC'Y. AND AF
—Secretary of the Army Wilber M. Brucker delivered the graduation address at the Army War College, Carlisle Barracks, Pa., and took time out to chat with three USAF members of the class. Left to right are: Col. Thomas D. DeJarnette, Harold F. Layhee and George A. Carter. A fourth USAF officer of the class, Col. Albert S. Kelly, was absent when the photo was taken.



NAVY-USMC "HUMP" HEARINGS SET

Navy and Marine Corps "hump" legislation will come under the spotlight of the Kilday House Armed Services Subcommittee on 8 July.

On that date, the Subcommittee will open hearings on HR 8068 which authorizes involuntary retirement of Navy captains and commanders and Marine Corps colonels and lieutenant colonels earlier than they would be retired under present law.

The proposal also permits the Navy to select more officers for promotion from below the zone, and provides a selection opportunity of up to 75 per cent for Staff Corps officers.

Details of the legislation were reported previously (THE JOURNAL, 15 June).

The hearings will receive comprehensive coverage in forthcoming issues.

B/G Sillin To NATO, Replaces M/G Sanders

Brig. Gen. Norman D. Sillin, USAF, will become Chief of Allied Air Forces in Northern Europe.

As CONAC's Deputy Chief of Staff for Operations at Mitchel AFB, N. Y., he succeeds Maj. Gen. Homer L. Sanders, USAF.

Congressman Charges Navy With "Police State" Tactics In Retirement Decision

Representative Joel T. Broyhill (R-Va.), has charged the Navy with "police state" tactics in dropping an officer from the retired rolls after his conviction on a manslaughter charge.

Details of the case first were disclosed in THE JOURNAL (27 April).

In a letter to Secretary of the Navy Thomas S. Gates, Jr., Congressman Broyhill noted that the officer's retired pay "was a portion of the payment made in return for his services over the past 30 years." He said "I cannot see how it could be conditioned upon his good behavior during the remainder of his life after retirement."

The officer, a retired Navy commander, was sentenced by a civilian court to five years' imprisonment on a manslaughter conviction less than a year after his retirement. The President, acting on the advice of the Navy, dropped the officer from the retired rolls.

Congressman Broyhill told the Navy Secretary that "Such control exercised

COST OF THE AXE

The threat on Capitol Hill of slashes in the fiscal '58 budget have brought sharp reminders from Pentagon leaders of the consequences.

Speaking 20 June at graduation ceremonies for the Army War College, Carlisle Barracks, Pa., Secretary of the Army Wilber M. Brucker gave this reminder:

"You should know that at least three times in the past 45 years public clamor for budget slashing has resulted in letting down America's guard and we have paid dearly each time for our folly.

"In 1916 the Army was down to about 108,000, and World War I came with a terrific cost.

"In 1940 the Army was down again to about 270,000, and World War II came with staggering cost.

"In 1950 the Korean War found us with only about 590,000 in the Army, and again we were unprepared for war. Again it cost billions and billions of dollars and over 142,000 in killed, wounded, and missing.

"Do these lessons in recent years mean anything to you when we see a modern effort by many misguided individuals to repeat the "sacking" of our Armed Forces? Particularly bad is the timing of this meat axe wielding which comes at a time when America should be powerful and leading from strength in our dealings with the Soviet bloc.

"Is there anyone who has a greater stake in this matter than an Army officer who has dedicated his career to the military service of his country?"

over the entire life of a person is far closer to a "police state" situation than is intended under our Constitution or directed under any law passed by Congress."

He said the Navy "in its apparent desire to give more punishment" to the officer "than assessed by a court of law, has placed a heavier burden on the innocent wife and children than on the retiree."

Representative Broyhill is a member of the House Post Office and Civil Service Committee which is expected to take up legislation to prevent such action on the part of the Government.

Meanwhile, he has asked the Secretary of the Navy to reconsider his decision in this specific case. He said he knows the Secretary will want to consider the effect of his action "upon those who are considering a career in the Navy."

Cdr. L. L. Meier, USN, Administrative Aide to Secretary Gates, has advised Congressman Broyhill that the problem "is receiving prompt attention."

VAdm. James L. Holloway, Jr., USN, Deputy CNO for Personnel, has admitted (THE JOURNAL, 11 May) that in such cases "the individual's often completely innocent family is being punished to a greater extent than he as regards to loss of the bare necessities of life." Expressing his "purely personal" views in a letter to the House Armed Services Committee, the DCNO also said "it is desirable to inculcate in service families the feeling that retirement pay is earned and can be depended upon, not that such pay can be cut off at any time due to circumstances which may often be entirely out-

—Continued on page 6

Army Selects 1750 For Lt. Colonel

THE following are the names of approximately 1750 Army majors recommended for promotion to temporary lieutenant colonel. They will be advanced after some 348 majors remaining on the previous recommended list are promoted.

The new selections, announced in Circular 624-11 include 1484 Army list majors from the basic zone which had a 30 June 1951 cutoff date, and 152 "truly outstanding" selectees, with a cutoff of 31 December 1953.

The selections include also 32 Chaplains, 10 members of WAC, 12 MC, 7 DC, 25 VC and 23 MSC officers, as well as 5 Nurses.

The Army noted that officers who were selected for permanent promotion to lieutenant colonel were removed from the zone of consideration for temporary promotion to that grade. These officers have been integrated in the lists and will be promoted temporarily when their names are reached if they have not received permanent advancement by that time.

Army

Aakkula, Antero, IN
Aaron, Harold R, IN
Abbott, Arlo E, AR
Abt, Alan B, AT
Adams, Bert, IN
Adams, Roy H, JA
Agnew, Jack, AT
Agnew, John P, EN
Albright, Jack A, SC
Aldrich, S B, EN
Alexander, C H, SC
Alexander, M S, AT
Aline, Robert F, IN
Allard, Robert D, IN
Allegra, James J, AG
Allen, Edgar W, SC
Amos, Elisha K, JA
Andersen, E B, AT
Anderson, A G, AT
Anderson, N E, IN
Anderson, P A, AR
Anderson, R V, IN
Anderson, R W, IN
Anderson, E G, Jr, EN
Anderson, G V, QM
Anderson, E F, SC
Anderson, C A J, IN
Angelides, N, IN
Armentrout, C D, IN
Armstrong, J E, SC
Armstrong, J F, Jr, OD
Arn, Robert M, AR
Arnim, Victor T, EN
Arnold, Carl L, IN
Arnold, W E, Jr, AT
Asbury, B B, QM
Ash, Laurence W, SC
Ashby, Richard C, JA
Aston, David T, AR
Avery, Philip S, IN
Babbitt, Bruce C, JA
Bacci, Joseph A, EN
Baccus, G W, QM
Bacon, Eugene F, IN
Bailey, B O A, SS
Bailey, H V, Jr, IN
Baker, George A, AT
Baker, Morris L, TC
Baker, Stewart J, SC
Baker, William C, AT
Baldwin, Byron O, IN
Baldwin, C T, Jr, AR
Baldwin, Earl E, IN
Bailes, Paul A, AR
Bandy, Elmer G, SC
Bangs, Harry R, IN
Banks, Elmer E, OD
Baranowski, J, IN
Barber, L D, IN
Barner, John H, IN
Barnes, Harry C, IN
Barnum, R V, IN
Barr, Oliver F, AT
Barrios, W W J, IN
Bartow, T A, AR
Bartlett, Robert H, IN
Barth, George H, TC
Bartlett, C M, CM
Barwick, W R, Jr, EN
Bass, Glenn L, TC
Bates, James M, AT
Bates, James R, SC
Battista, J E, FT
Batts, John T, IN
Baum, Ralph L, IN
Baudoin, J C, IN
Baugh, Jack R, IN
Baughner, T J, AR
Beagles, E N, MP
Beam, Burton T, AT
Bearden, J L, IN
Bearley, W R, OD
Beard, Oliver W, SC
Beaver, Alfred T, IN
Becher, John D, IN
Bechtold, K I, QM
Becker, Carl H, IN
Becker, Harley L, OD
Beimfohr, C V D, JA
Bell, Benjamin C, AT
Bell, Carl H, Jr, IN
Bell, John C, EN
Bell, Theodore S, IN
Bencke, A R, QM
Beninate, N A, AG
Bennett, William, IN
Bennett, J G, QM
Bennett, E E, EN
Benson, R C, QM
Benson, W R, Jr, AT
Benton, Jay A, QM
Berger, Roy H, CM
Bergeron, T H, SC
Bergsagel, R M, QM
Bernard, A L, MP
Berry, G A, Jr, QM
Berry, S B, Jr, IN

Beveridge, T M, MI
Bieri, Alfred C, AT
Billard, Jules F, IN
Black, Don W, AT
Blackledge, H W, MP
Blackwell, J L, IN
Blackwell, L B, SC
Blair, Robert M, AR
Blair, Russell T, IN
Blake, Stewart P, SC
Blake, William R, SC
Blakely, Larry A, AT
Blazer, Frank, IN
Blissenbach, L J, IN
Blöse, Lewis N, QM
Blotzer, John W, IN
Bluteau, K R, IN
Boardman, W M, EN
Boardman, C H, 3d, CM
Bobo, William A, AR
Boles, D J, AT
Boisvert, J R, AT
Bolling, A R, Jr, IN
Bond, John B, AT
Bonestell, Dean, EN
Bonham, D D, IN
Bonnell, Floyd E, AT
Bookout, Hal H, JA
Boone, G M, Jr, IN
Borden, G A, AT
Bortoff, J C, TC
Boudman, A B, IN
Bour, Lawrence J, IN
Bowen, C O, Jr, AT
Boyd, William E, IN
Boyea, Gerald E, IN
Boyle, T A, IN
Bradley, J A, IN
Bradley, M E, AT
Bradley, C L, SC
Brady, Hugh H, IN
Brake, Ralph W, IN
Brammer, W W, IN
Branch, M D, IN
Brandt, R A, EN
Brashear, G T, MP
Braucher, E P, EN
Brauer, Robert W, SC
Breen, W E, QM
Bretthaupt, H M, TC
Brennan, B, AR
Brey, Albert J, EN
Brickell, G R, CM
Briggs, R F, AR
Bristow, John A, EN
Brooks, C H, EN
Brooks, George, SC
Brown, Earl S, TC
Brown, R L, Jr, AT
Brown, V M, QM
Brown, W S, QM
Browne, N E, IN
Brownfield, L B, 2d, SC
Browning, N F, AG
Brownway, F R, AT
Brubeck, S A, IN
Bruce, Edward C, EN
Bruger, Edward J, IN
Brunke, Herman, EN
Bruno, N J, AT
Bryson, Ernest D, AG
Bucciarelli, F V, AT
Buchanan, S C, AT
Buchholz, R S, SC
Buchholz, O T, Jr, IN
Buck, Robert R, MP
Buckley, A E, AT
Buckley, W L, IN
Budahn, Edsel R, AT
Buell, Kenneth E, IN
Buelow, W R, AT
Bule, David M, IN
Bull, Richard T, QM
Bullock, Dean A, AT
Burch, Gerald C, IN
Burford, D R, IN
Burgher, F E, IN
Burke, Percy H, TC
Burmaster, W L, MP
Burr, C H, Jr, SC
Burt, Robert E, EN
Burton, J R, AR
Bussey, G W, EN
Butler, James W, IN
Buto, Junichi, IN
Butters, B W, AG
Bynum, W L, OD
Byrd, Felton L, OD
Byrnes, L G, IN
Bzdek, B M, AR
Cabaniss, J H, Jr, AT
Cady, L R, AR
Cage, Lee E, AT
Calkins, L S, SC
Callahan, W R, IN



GENERAL MAXWELL D. TAYLOR, Chief of Staff of the U. S. Army, (left) is greeted by Maj. General Max S. Johnson, USA, Commandant of the U. S. Army War College, as he arrives at Taylor airport, Carlisle Barracks, Pa., to address the second session of the Third National Strategy Seminar at the U. S. Army War College.

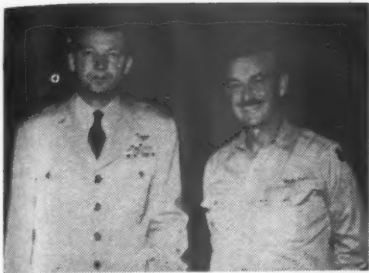
Cason, C E, OD
Cattlett, H G, QM
Caudell, Louis, IN
Cerasoli, A N, MP
Challen, H G, QM
Chandler, Eli C, EN
Chandler, M C, IN
Chase, Jean L, AT
Chesbro, John S, IN
Chivington, F D, EN
Chmar, Paul, IN
Churchill, R D, IN
Clagett, David C, IN
Clark, L B, AT
Clark, W J, Jr, IN
Cleary, H F, SC
Cleveland, R E, AT
Clifford, A E, EN
Clough, L A, AT
Clyde, G F, OD
Coakley, F H, IN
Coates, Harry R, IN
Cobb, Edward G, OD
Cochran, Lynn E, IN
Cockrell, J K, Jr, IN
Cockrell, John C, AT
Coker, Larry W, IN
Coker, Paul F, AG
Cole, Albert G, OD
Cole, John C, Jr, FI
Coleman, J D, Jr, AT
Coley, Fred A, QM
Colladay, E B, Jr, AT
Collin, J E, 2d, IN
Collins, C G, Jr, TC
Collins, J M, AG
Collins, Jim K, SC
Combs, George E, AG
Combs, H L, Jr, SC
Compton, Jack E, AG
Condos, W R, AT

—Continued on page 37

Next Week—

The 6 July issue will feature an article by General Lemuel C. Shepherd, Jr., USMC-Ret., on the Inter-American Defense Board. This is one of a series of articles written by top-ranking military men.

TIMELY FOR 4th of JULY is an article by Brig. Gen. Sidney C. Wooten, USA, on "Operation Mercy," which he commanded at Camp Kilmer, N. J. This humanitarian operation saw 31,982 Hungarian refugees arrive and depart Kilmer on their way to a new life of freedom in the United States. General Wooten has just been assigned to Ft. Devens, Mass.



MISSILE MEN—The two military officers who are spearheading the priority effort to obtain effective long-range missiles are shown here at the Army Ballistic Missile Agency, Huntsville, Ala. At the left is Maj. Gen. B. A. Schriever, USAF, who heads the ARDC Ballistic Missile Division. His host is Maj. Gen. J. B. Medaris, USA, who commands ABMA, and who also is a pilot.

AF MISSILE TRAINING

The Air Force will launch a Guided Missile Course for airmen at Amarillo AFB, Tex., in January 1958.

Instructor personnel already are arriving there.

Northrop Aircraft will conduct the first two courses of the new missile school at which time the Air Force will take full charge of the training operation.

Length of courses will vary with the longest to be six months.

Door to Door Service For Air Force Families

The Air Force is moving about 50 per cent of all members' uncrated household goods overseas under a new system which is faster, safer, more economical and requires less handling.

Known as Motor Van-Sea Van and Motor Van-Air, the new system is an improvement over the conventional pack-and-crate method. One moving company is held responsible for the household goods from the time they are picked up at the home or quarters in the Z. I. until they are delivered to the overseas address. The new service for officers, airmen and civilians enables the household goods to move on a single Government bill of lading through the facilities of one carrier and his agents.

This door-to-door service—one of many actions taken by the AF to improve the movement of AF members, their dependents and their possessions to overseas stations—recently became available to those on orders to Italy and Libya, and those moving from Japan to Hawaii. Countries to which the service already had been established include: Germany, Puerto Rico, Alaska, Hawaii (from the United States), Japan, Okinawa and Guam. All of these are serviced by Motor Van-Sea Van. Motor Van-Air is available to Alaska and Puerto Rico.

England, Spain, the Philippine Islands, France, and Turkey are under consideration for Motor Van-Sea Van service, and Panama Canal Zone for Motor Van-Air movement.

Missile Experts

The release of information on a visit by Maj. Gen. B. A. Schriever, USAF, who heads the ARDC Ballistic Missile Division, to the Army Ballistic Missile Agency, under Maj. Gen. J. B. Medaris, USA, identifies a group of Air Force experts who are taking key roles in ballistic missile work.

It was General Schriever's first visit to the Army Agency and follows a previous visit by General Medaris to the Air Force Ballistic Missile Agency at Ingleswood, Calif.

The news release covering General Schriever's visit recalls that there had been press reports, strongly denied, that Air Force people had been denied access to ABMA.

The announcement said "there has been a continuous exchange of technical information between the two commands by liaison officers."

ACCOMPANYING GENERAL SCHRIEVER were the following Air Force officers:

Air Research and Development Command—Col. C. H. Terhune, deputy commander, technical operations; Col. J. A. Dodge, chief, armament group; Col. L. D. Ely, assistant for technical groups; Col. W. R. Large, jr., plans and operations; Col. Van E. Neal, directorate, operations; Col. Carl D. Southerland, program projects office; Lt. Col. F. Y. Hale, systems integration division; Lt. Col. L. T. Ayers, propulsion; Lt. Col. F. M. Box, guidance and control; Lt. Col. Joseph C. Bogert, programs and procedures office; Lt. Col. M. E. Woolever, IRBM operations; Lt. Col. C. H. Woodward, plans and operations; Maj. Harvey W. Eddy, requirements and equipment office; Capt. R. A. Crabbs, Aide-de-Camp.

Air Materiel Command, Ballistic Missile Office—Col. Henry G. McDonald, deputy director; Mr. Frank W. Barnes, production staff office; Lt. Col. Milo L. Seccomb, jr., chief, airframe branch.

Strategic Air Command—Col. John C. Fahringer.

Air Training Command—Maj. James L. Broome.



5000TH HOUR—Col. Clyde Box, USAF, 322d Air Division Commander, smiles as he logs his 5,000th flying hour at the controls of a Fairchild C-119 high over the coast of Italy on a return ALS trip to France from Greece and Turkey. A Command Pilot, Colonel Box has been flying since 1937.

D. C. RETIRED MAY GET \$10,000 TAX BREAK

The House of Representatives has voted a tax cut for Washington, D. C. residents who are on the disability retired rolls of the Armed Forces.

The proposal, if approved by the Senate, will save military families an estimated \$10,000.

Federal income tax laws, and the laws of a number of States, currently exempt all disability retired pay from income taxation. Washington residents, however, currently are taxed on their disability retired pay.

The tax bite was not large in the past because the District offered all taxpayers a \$4,000 deduction. This was changed in 1956, however, and the income tax rate was increased substantially.

The House-approved law exempts all military disability retired pay from D. C. income taxes. It is contained in an omnibus tax measure which passed the House this week and went to the Senate.

Senate Committee Launches Procurement Hearings; Small Business Policies Hit

The Senate Small Business Committee launched hearings this week on Defense Department procurement policies affecting small-business suppliers to the military services.

Senator George A. Smathers (D-Fla.), Chairman of the Subcommittee on Government Procurement, who is conducting the hearings, said they will show whether "proper steps are being taken within the military departments to insure that the small firms are getting a fair and equal share of the Government contracts."

He said also that Committee members "feel that the hearings will give the representatives of the Executive Branch a better understanding of the intent of Congress as regards legislation, previously passed, having to do with small business."

Senator Smathers said one of the most important matters to be taken up during the hearings will be the "extremely low percentage of awards going to small

business in the field of research and development." He said, "With big business monopolizing over 95 per cent of this type of contract, it's no surprise to me that the small firms are experiencing greater and greater difficulty in obtaining a fair share of the production contracts growing out of this research activity."

Air Force witnesses were scheduled to appear as THE JOURNAL went to press. Initial witnesses were Assistant Secretary of Defense E. Perkins McGuire (Supply and Logistics), Assistant Secretary of the Army Frank Higgins, Lt. Gen. E. L. Cummings, Chief of Army Ordnance, and Maj. Gen. August Schomburg, Chief of R&D, Army Ordnance.

Navy witnesses will appear early in July.

Senator Smathers said the Subcommittee is "vitaly interested in all matters which in any way contribute to the well-being of the smaller firms in our country."

House Unit OKs \$1.6 Billion For Military Construction At Bases Throughout World

A \$1.6 billion military construction program for the new fiscal year beginning on 1 July won unanimous approval of the House Armed Services Committee this week.

New construction authority approved by the Committee gives the Air Force the lion's share. Here are the totals for new money in the bill: Air Force, \$727,764,000; Navy-Marine Corps, \$391,095,000; and Army, \$297,714,000.

In addition, the Committee added \$21,341,000 to the \$126 million ceiling on construction for the Air Force Academy, and increased prior authority for each of the Services as follows: Army, \$28,885,000; Navy-Marine Corps, \$42,648,000; Air Force, \$114,962,000.

Meanwhile, the Senate Armed Services Committee is completing its hearings on the Senate military construction measure and is expected to report out soon.

Both proposals face floor action and possible conference before enactment. Funds to get the program underway will be requested separately by the Administration in a supplemental appropriations bill.

The \$1.6 billion program is in addition to the \$33.5 billion military budget approved by the House. It provides for new construction, modernization and improvements at naval and military installations throughout the world.

The Committee left intact (except for two minor changes) Pentagon plans to spend \$54.5 million for family housing. The Air Force agreed to eliminate 139 units which it no longer needs and the Committee dropped 28 units scheduled for construction at Wendover AFB, Utah. The appropriated funds housing provided in the construction bill is in addition to the multi-million dollar Capehart program.

Col. Forwood Leads Deep Freeze AF Unit

The 63d Troop Carrier Wing (H), based at Donaldson AFB, Greenville, S. C., has been designated the Air Force Task Unit during Operation Deep Freeze, III, which begins 1 July.

The Wing, led by Col. E. W. Hampton, USAF, will furnish airlift and airdrop capability in the Antarctic during the period September 1957 to April 1958.

Commanded by Maj. Dixon J. Arnold, USAF, the 53d Troop Carrier Squadron (H) will provide eight C-124 Globemasters to execute the mission.

The Air Force Task Unit will be led by Col. William C. Forwood, USAF, Commander, 61st Troop Carrier Group (H) at Donaldson. The unit will operate from Harewood International Airport, Christchurch, New Zealand.



COL. PAUL H. SYMBOL, USA, left, chief of the Family Housing Division of the Army's Office of the Deputy Chief of Staff for Logistics, Washington, D. C., confers with Brig. Gen. John F. Ruggles, USA, deputy commanding general of the U. S. Army Infantry Center, Ft. Benning, Ga. Col. Symbol toured Capehart construction sites and Military Construction Army and Wherry housing during his two-day visit at the post.

Pay Support Grows

From first page—

fense Charles E. Wilson.

Mr. Wilson will be interrogated closely, since it is public knowledge that he asked the Budget Bureau to give him a green light to seek legislation that would implement major Cordiner Committee recommendations, but was rebuffed.

The Secretary subsequently ordered that \$49 million enlisted "proficiency pay" program be initiated by administrative action. The Services this week were awaiting final action on the fiscal '58 budget before issuing rules to put this in effect.

Secretary Wilson has stated that unless the Senate restores some personnel funds cut by the House "proficiency pay" plans could be jeopardized.

Cordiner Plan advocates are hopeful that before Congress adjourns, the Stennis Subcommittee will be able to get a pay study under way on Capitol Hill. No one expects final action this session.

But it is believed that if facts are brought to public attention during hearings this summer, the pay issue can be kept before the public until the new session convenes in January, when early passage would be sought.

U. S. Army



FIRST WAAC ROSTER—The original roster containing the signatures of the first members of the WAAC was presented to Col. Mary L. Milligan, Director of the WAC, by Lt. Col. Charles D. Henderson, DC, USA, acting post dental surgeon at Ft. Carson, Colo. when she visited Carson. Colonel Milligan was with the first WAAC unit when it was created and trained at Ft. Des Moines, Iowa, from mid-1942 to early 1943. Colonel Henderson was Dental Surgeon for the WAAC detachment. When the detachment was deactivated, he claimed the roster, which was signed on the first anniversary of the unit.

Army Shoots For 860 ROTC Cadet Fliers

Seven additional colleges and universities have been authorized to conduct flight training for Army ROTC students, bringing to 47 the total number of institutions training selected cadets in the fundamentals of flying.

The new institutions are: University of Alaska, College, Alaska; University of Connecticut, Storrs; Xavier University, Cincinnati, Ohio; Mississippi State College; Oklahoma A & M College, Stillwater; Indiana University, Bloomington and State College of Washington, Pullman.

During the school year just completed 235 Army ROTC cadets received private pilot licenses. The Army expects to qualify 625 more students for careers in the expanding Army aviation program in the coming school year.

Gen. Fritzsche Is CofS

Maj. Gen. Carl F. Fritzsche, USA, formerly Chief of the U. S. Military Advisory Group in Korea, has assumed the duties of Fifth Army Chief of Staff at Chicago, under Lt. Gen. William H. Arnold, USA.

He succeeds Col. Edward G. Daly, USA, who has served as Chief of Staff since departure of Maj. Gen. David H. Buchanan, USA, in March to assume command of the 1st Infantry Division at Fort Riley, Kans.

Col. Bullock Replaces B. G.

Col. Edmund T. Bullock, USA, has been named Deputy Commander for the Technical Program at the U. S. Army Electronic Proving Ground, Ft. Huachuca, Ariz. He replaces Brig. Gen. William M. Thames, USA, who leaves for a new assignment in Washington, D. C. Before assignment to Huachuca in October 1956, Colonel Bullock was Deputy CofS of Joint Task Force 7, which conducts atomic detonation tests outside the continental limits of the United States.

Association Reunions

Eleven U. S. Army divisions will hold conventions during July, according to announcements made by Association officials.

Executive Secretary of the **82D AIRBORNE DIVISION** Association A. R. Pattullo, 18611 Midvale Ave., Cleveland 11, Ohio, said "troopers" of the famed "All American" will meet 5-7 July at the Sheraton Gibson Hotel, Cincinnati, Ohio.

Members of the Society of the **3D INFANTRY DIVISION** will meet 11-13 July at the Claypool Hotel, Indianapolis, Ind., according to Secretary Harry Cedar, 1129 Warner Building, Washington 4, D. C.

National Secretary Stanley Cohen, P. O. Box 66, Livingston, N. J., reported that **9TH INFANTRY DIVISION** Association members will meet 4-6 July at the Hotel Statler, Boston, Mass.

The Society of the **28TH DIVISION** will hold its convention 25-27 July at the Lawrence Hotel, Philadelphia, Pa., says Editor H. G. Weber, 4445 Sherwood Road, Philadelphia 31, Pa.

Secretary of the **41ST INFANTRY DIVISION** Association S. B. Hunting, 20 North Wacker Drive, Chicago, Ill., says the "Jungleers" will meet 19-21 July at Chicago's Sheraton Hotel.

Secretary R. A. Gibbons, P. O. Box 342, Roanoke 3, Va., reports that veterans of the **42D NATIONAL ASSOCIATION** of the Rainbow Division, WW I and II, will get together 12-14 July at the Southern Hotel, Baltimore, Md.

According to Robert Capasso, 34 Lincoln Street, Norwood, Mass., the **63D INFANTRY DIVISION** Association will meet 19-21 July at the Hotel Sheraton, Philadelphia, Pa.

Secretary of the **94TH INFANTRY DIVISION** Association, 614 Oakdale Ave., Chicago 14, Ill., A. E. Rodriguez, has announced that its members will meet 18-20 July at the Hotel New Yorker, N.Y.C.

John E. Commings, National Secretary of the **99TH INFANTRY DIVISION** Association, 3222 West Cary Street, Richmond, Va., says members will hold their convention 19-21 July at the Lord Balti-



COL. LYMAN D. BOTHWELL, USA, (left) newly appointed Assistant Chief of Staff, G-2 (Intelligence), U. S. Continental Army Command, Ft. Monroe, discusses his new responsibilities with his predecessor, Col. Robert P. Hagen, USA, Colonel Hagen, CONARC G-2 since August 1954, has been assigned to North Atlantic Treaty Organization Headquarters in Naples, Italy.

more Hotel, Baltimore, Md.

According to **102D INFANTRY DIVISION** Association Secretary Lewis E. Orabke, 8120 Grayfield, Dearborn, Mich., members will hold their reunion 25-28 July at the Statler Hotel, Detroit, Mich.

The **106TH INFANTRY DIVISION** Association Inc., 18 Cornell Street, West Orange, N. J., says Douglas S. Coffey, will meet 25-28 July at the General Oglethorpe Hotel, Wilmington Island, Savannah, Ga.

Private To Colonel

A private who rose to the rank of colonel during 27 years in the Army, Col. Roland P. Fournier, USA, Executive Officer of the Chemical Corps Materiel Command, Army Chemical Center, Md., has retired.



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BETTER THINGS FOR BETTER LIVING... THROUGH CHEMISTRY

Army Tells Views On PMST Fees

The Army has issued a ruling in Circular 145-3 concerning the practice at some civilian institutions of voluntary paying PMST's and members of their military staff stipends or fees "for the performance of services or duties as faculty members that are in addition to and not part of their official duties as assigned military personnel."

The Army says it "regards this practice as purely an institutional concern, and does not desire to influence it or interfere with it in any way."

The Circular quotes the law concerning salaries for Government officials and employees, then adds:

The Judge Advocate General has rendered the following opinion with respect to the above law and the tendering and acceptance of stipends or fees indicated in paragraph 1:

(1) "It is the opinion of this office that the tendering by an educational institution and the acceptance by a PMST or members of his staff, of any stipend or fee for services or duties which are not part of their official duties, would not be violative of the provisions of Title 18, United States Code, Section 1914, as such a stipend or fee would not constitute 'salary in connection with his services as such an official or employee' of the Government."

(2) "The Comptroller General has ruled that payments to commissioned and noncommissioned officers serving as instructors of military science and tactics at educational institutions by such institutions, when such payments were received as additional compensation for the performance of the military assignments of such officers, 'should be considered as received for the account and benefit of the Government, required to be deposited into the Treasury as provided in section 3617 Revised Statutes, 31 U. S. Code 484' (Ms. Comp. Gen. B-108756, 26 Mar 1952). It is the opinion of this office that the above-cited ruling of the Comptroller General should not be interpreted to require deposit into the Treasury of payments received by commissioned and noncommissioned officers serving as instructors of military science and tactics at educational institutions for services performed for such institutions which are not in connection with their official duties."

(3) "It is the further opinion of this office that subparagraph 8b, AR 600-10, 15 Dec. 1953, does not preclude the receipt of payments by commissioned and noncommissioned officers serving as instructors of military science and tactics at educational institutions from such institutions for services performed not in connection with their official duties."

Management Assn. Elects

The Armed Forces Management Association at Ft. Benning, Ga., has elected Col. Roy A. Murray, President; Denise Hunt, First Vice-President; Lt. Col. John L. Steele, Second Vice-President; Capt. Helen Bowen, Secretary; Mrs. Ida Evans, Treasurer; Maj. Raymond J. Ruyffelaere, Chairman of the Arrangements Committee, and Dr. Harold S. Tate, Col. Kenneth W. Wallace and Preston E. Blackwell, Executive Council members.

Close Seattle Terminal

The Seattle, Wash., Army Terminal will be closed by 1 Oct., to realize "a substantial savings in money and manpower."

Colonel Stone Retires, Father Is Commander

Col. Alexander Graham Stone, USA, Post Commander of Ft. McNair, D. C., retires 30 June.

Born in Annapolis, Md., 14 March, 1909, Colonel Stone, USMA, '30, is the son of Cdr. Raymond Stone, USN-Ret. and Esther King (Suydam) Stone.

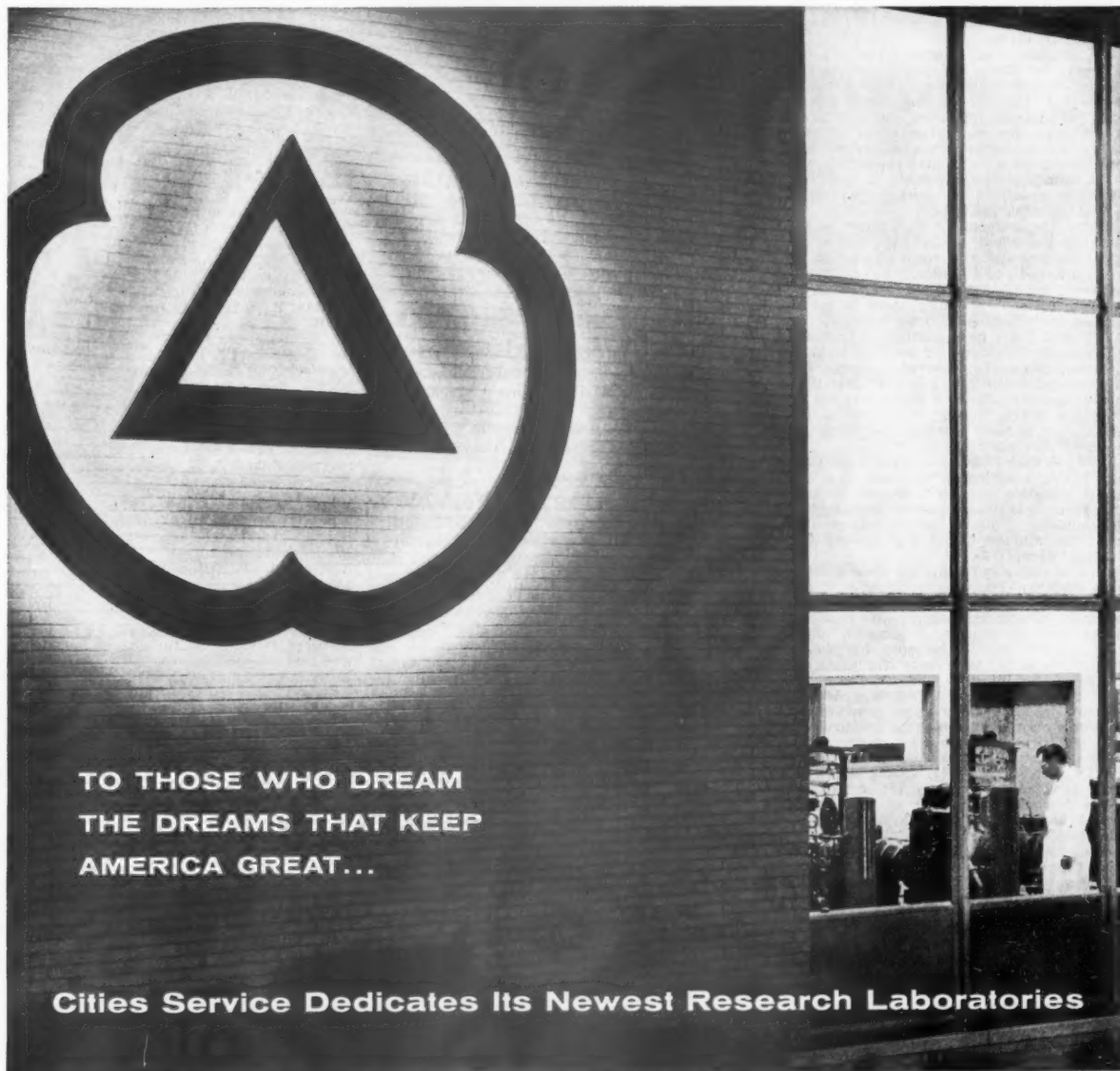
In July, 1935, Colonel Stone was married to Mary Hewitt Myers, daughter of George Hewitt and Louise (Chase) Myers of Washington, D. C. They have two daughters, Alexandra Dana Hewitt Stone, and Patricia Fairmont Butterfield Stone; and a son, George Graham Suydam Stone.

Colonel Changes At Benning

Col. Robert H. York, USA, has succeeded Col. Claude M. Howard, USA, as G-3 of The Infantry Center at Ft. Benning, Ga. Colonel Howard has assumed command of the 29th Provisional Brigade.

Col. William M. Linton, USA, has been named special projects chairman of the G-3 Section. He succeeds Col. Roland M. Gleszer, USA, who assumed duties of Infantry Center G-2.

Col. Alford C. Boatsman, USA, succeeded Col. Richard I. Jones, USA, as Inspector General at Ft. Benning on 2 June. Colonel Jones left 31 May for Italy.



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Often unsung, sometimes unappreciated, the men of science in the industrial laboratories of the country are a national resource beyond the command of money.

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Cities Service is proud, indeed, of its modern new laboratories and their advanced equipment... but takes far greater pride in the men who will man them. It's their dedication and skill that spark our growth and our service... for today and for tomorrow.



CITIES SERVICE

U. S. Navy and U. S. Marine Corps

Retirement Action Draws Strong Protest

From page 2—

side the knowledge and beyond the control of the retired person's wife and children."

Here is the full text of Congressman Broyhill's letter to Secretary Gates:

"Dear Mr. Gates,

"I am enclosing a letter from Mrs. R. B. Rueger, 706 South Fayette, Alexandria, Va., which is self-explanatory. I cannot understand how the Department of the Navy can find justification for cancelling Mr. Rueger's pension in this case. The right to the annuity was a portion of the payment made in return for his services over the past 30 years. I cannot see how it could be conditioned upon his good behavior during the remainder of his life after retirement.

"The Department of the Navy evidently enjoyed the equal value of his labors in return for pay and allowance given him along with the credit to an annuity he earned. Your contract for his service was completed upon his separation. In equity there is no valid reason for reneging on your bargain.

"Should there be a continuing increase in the annuity in return for meeting certain requirements after retirement I could possibly understand a continuing control over the annuity. However, there is no contractual benefit given to Mr. Rueger in compensation for the right the Navy has taken to revoke their contract whenever they see fit.

"SUCH CONTROL exercised over the entire life of a person is far closer to a 'police state' situation than is intended under our constitution or directed under any law passed by Congress. I do not believe this regulation would be allowed to stand if it were abused in this perspective.

"An extreme hardship has been created in this instance. You are no doubt well aware of the details of how this family's lifetime savings have been wiped out, the family wage earning capacity destroyed, and the only other source of revenue, his Navy annuity, revoked. The penalty has fallen equally heavy on his wife and children, and in fact the Department of the Navy, in its apparent desire to give more punishment to Mr. Rueger than assessed by a court of law, has placed a heavier burden on the innocent wife and children than on the retiree.

"IN VIEW OF THE CIRCUMSTANCES, and as I am personally interested in the case, I would be grateful if your attention could be given to a reconsideration of the decision made by your staff members. I am sure you will also reach the conclusion that this regulation is unjust in his application. I hope you will take prompt measures to restore the annuity for which Mr. Rueger gave 30 years of loyal service to the Department of the Navy. I know you will also want to consider the effect of this regulation, which has been widely publicized, upon those who are considering a career in the Navy. The annuity is an important factor and recruiting is not an easy task. Thanking you, I am sincerely,

"Joel T. Broyhill"



SAILORS WITH NUCLEAR TRAINING will wear this newly authorized rating badge beginning next Spring. It depicts a falling bomb with two electrons revolving around it. A new mark for Deep Sea Divers also has been approved.

SubPac Donates \$10,000 To Memorial Stadium

Units of the Pacific Fleet Submarine Force have contributed over \$10,000 for the Navy-Marine Corps Memorial Stadium to be built at Annapolis, Md. This represents an average of almost \$2 per man.

Admiral Olson To Norway

RAdm. Clarence E. Olson, USN, has been ordered to duty as Chief, Military Assistance Advisory Group, Norway. He will be detached in July from duty as Commander, Hawaiian Sea Frontier, and Commandant, Fourteenth Naval District, where he has been assigned since February, 1954.

RAdm. Thomas G. W. Settle, USN, who currently is Chief, MAAG, Norway, will be relieved in October. His next assignment has not been announced.

Captain In New Commands

CAPT. T. R. KURTZ, JR., USN, took command of the Naval Communications Station at San Diego 26 June from Capt. W. H. Farmer, USN, who goes to the Office of the JCS at the Pentagon. Captain Kurtz, who had commanded the Navy Security Station at Washington, D. C., is returning to a command he held until 1954.

CAPT. R. F. SCOTT, USN-Ret, former Commanding Officer of the Naval Avionics Facility at Indianapolis, Ind., has concluded 30 years' service with retirement as rear admiral. He was relieved by Capt. Nova B. Kiergan, USN.

Marine Corps Grants Extended Tours To 108

Marine Corps Headquarters has extended the active duty tours of 108 Reserve officers, including five lieutenant colonels, 10 majors, 21 captains, 66 1st lieutenants, five 2d lieutenants, and one chief warrant officer.

Their names and the final dates of the extensions are:

Lieutenant Colonel

Moore, Cecil E (30 June 61).
Lauffer, Robert G (30 June 62).
Reynolds, Harry D (30 June 59).
Peterson, Roger D (30 June 62).
Port, Robert M (30 June 61).

Major

Blehl, Joseph W (30 June 61).
Harrington, Jack G (30 June 60).
Lilly, George M (20 June 62).
Eskell, Lawrence W (30 June 62).
Field, Daniel F J (30 June 60).
Morton, Gilbert L (30 June 61).
Sanders, Leo W (30 June 62).
Lifey, Robert Q (30 June 60).
Smith, Woodrow W (30 June 62).
Taylor, Robert C (30 June 60).

Captain

Mitchell, Billy M (30 June 62).
Naquin, Leo J, Jr (30 June 61).
Higgins, Thomas F (30 June 60).
Yeaman, James H (30 June 58).
Corey, Jules W (30 June 61).
De Goever, Vaughn L (30 June 61).
McKown, Philip E (30 June 60).
Lynch, Don L (20 June 62).
Barkley, Lee V (30 June 62).
Glen, Robert A (30 June 62).
Wozok, Richard A (30 June 61).
Smith, Mary S (30 June 62).
Petty, Rob N (30 June 61).
Schultz, Harold N (30 June 62).
Mueller, Karl N (30 June 61).
Becker, Teddy J (30 June 62).
Ellery, Thomas G (30 June 60).
Flite, John C (30 June 60).
Jones, Robert D (30 June 62).
Okansky, Frank B (30 June 62).
Mayock, Robert S, II (30 June 62).

1st Lieutenant

Wersel, William J (30 June 62).
Towle, Hugh H (Aug. 58).
Fahrl, Leonard W (Jan. 58).
MacDonald, Ralph F (May 58).
Rohan, John J (30 June 62).
Shields, John F (Sept. 58).
Shanks, John E (30 June 60).
Rowley, John T (22 July 60).
Everett, Wilbur D (30 June 60).
Rodgers, David G (30 June 62).
Rodgers, Joseph M, Jr (30 June 62).
Barber, Robert W (30 June 60).
Bohan, Walter (30 June 60).
Bowers, James B (30 June 59).
McGlasson, James C (30 June 60).
Reed, Charles E (30 June 61).
Bowring, Russell V (30 June 60).
Hiotas, Stanley J (Sept. 58).
Hedges, Manuel H L (31 July 60).
Simerly, Calvin F (31 Jan. 61).
Ziegler, Harry H, Jr (30 June 60).
Labrie, Alfred J (30 June 22).
Penlon, Peter G (Dec. 57).
Gates, John A (31 Aug. 58).
Heckathren, Donald (March 58).
Janz, Edward P (Jan. 58).
Liedel, Albert J (Feb. 58).
Sassane, James F (30 June 62).
Sullivan, John W (Dec. 57).
Duncan, William, Jr (30 June 61).
Discipio, Rocel M (Feb. 58).
Graft, David H (Feb. 60).
Hayes, Joseph W (Feb. 58).
Villareal, Ramon S (22 June 62).
Caprara, Joseph A (17 June 62).

Johnson, Richard J (July 58).
Kane, James P (Oct. 58).
Kelly, George R, Jr (30 June 62).
Newkirk, Clarence T (Feb. 58).
Parsons, James R (Feb. 58).
Spicer, Rolf L (Jan. 58).
Woodrow, Richard E (March 58).
D'Andrea, Thomas M (Aug. 59).
Fischer, John J, Jr (20 June 61).
Halperin, Warren R (Dec. 57).
Holder, George R (Aug. 59).
Roark, James E (Nov. 58).
Anderson, Donald C (28 Feb. 61).
Bauer, Andrew F (30 June 62).
Brynjulfson, John D (30 June 62).
Burns, Lee S (30 June 62).
Threlfall, William L (30 June 62).
Withers, Robert J (30 June 61).
Coates, Thaddeus S (30 Sept. 59).
Masters, William A. (30 June 62).
Fitzpatrick, Richard E (30 June 60).
Mayberry, Harvey B, Jr (30 June 62).
Roche, Lawrence J (31 Oct. 59).
McKenzie, William I. (30 June 62).
Kovach, John, Jr (30 June 62).
Moeller, Harvey P (Nov. 57).
Baukua, Duane A (June 58).
Carr, Richard D (June 58).
Murray, Gerald H (May 58).
Wilkins, Maurice G, Jr (Dec. 57).
Popok, Charles "S" (31 Aug. 60).

2d Lieutenant

DeBus, William J (Dec. 58).
Rahn, Robert H (Jan. 59).
Miller, Daniel J (Dec. 59).
Hicks, Ralph E (31 Dec. 61).
Marlowe, Carl H, Jr (30 June 62).

Chief Warrant

Johnson, Alfred B (30 June 59).

Shift Marine Colonels

Col. Clarence R. Schwenke, USMC, has been named Director of the Eighth Marine Corps Reserve and Recruitment District in New Orleans, La. He will assume the additional duty assignment as District Marine Officer on the Staff of the Commandant, 8th Naval District.

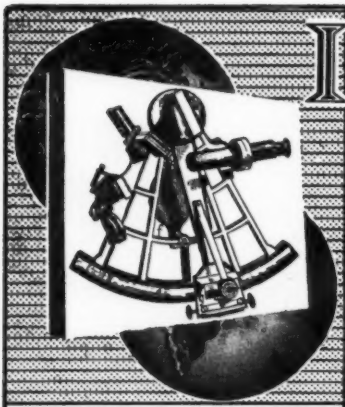
Colonel Schwenke succeeds Col. Walter R. Lytz, USMC, who will report to the Armed Forces Industrial College in Washington, D. C.

Colonel Schwenke is the husband of the former Virginia Ruth Gould, daughter of Brig. Gen. and Mrs. M. J. Gould, USMC (Retd.), of Clearwater, Fla. For the past two years he has been Deputy Director of the 8th Marine Corps Reserve and Recruitment District.

Navy Opportunities

LEGAL OFFICERS—Applications are being sought from permanent Regular Line officers who desire to switch to legal designations. Eligible for consideration by a board which meets 15 November are officers below lieutenant commander. Details are contained in BuPers Notice 1120.

CHAPLAIN SEMINARS—A series of seminars in professional subjects has been established for active duty Chaplains. A list of the seminars and their dates is contained in BuPers Notice 1520. Each of the conferences will convene on a Monday and end on a Friday. The program gets underway on 5 August at the 11th Naval District Headquarters. The same seminars will be repeated the following week to afford all Chaplains an opportunity to attend while half of their number will be retained at their duty stations.



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Asst. Commdt. & C/S—Lt. Gen. Vernon E. Megoe

COLONEL

Anderson, James R, FMFLant, to 1st MAW.

LT COLONEL

Bennett, James C, Ofc of CNO, to 3d Mar Div.

Doswell, Gelon H, 1st MAW, to MarTD, MarTC NAS NRLNS.

Hemingway, Ernest R, St Louis, to 2d Mar Div.

Hammond, Robert H, 1st MAW, to AirFMFPac.

Morse, Mason H, 1st Mar Div, to 3d Mar Div.

Steinhauser, Frederick M, ForTrps FMFPac, to 1st MAW.

Ryffel, George G, HqMC, to 3d Mar Div.

Edwards, Jack R, 3d Mar Div, to HqMC.

Halger, Wilson D, 3d Mar Div, to MarCor Sup Acty, Phila, Pa.

Hays, John E, NorVa, to ComStrikForSouth Stf, Izmir, Turkey.

Wilson, Louis H, jr, HqMC, to OIC Spl Wpns Scol, Bldg NH-45, CincLantFltHq NavB, NorVa.

Robertson, Charles S, HqMC, to US Naval Mission to Brazil, Rio de Janeiro.

Scherr, Robert A, MCS, Quant, to The JAG Scol, USA Charlottesville, Va.

To MCS, Quant, Va

Perkins, Thurman L, 3d Mar Div.

Roush, Martin B, Stf CincPac.

MAJOR

Pedersen, William D, 3d MAW, to inactive duty.

Nelson, Wilbur O, 2d MAW, to AirFMFPac.

Davis, Joseph L, NAS CorpC, to AirFMFPac.

CAPTAIN

Becker, Robert C, LanForTraULant, to MAG-31.

Schmitt, Grover P, Barstow, Calif, to 3d MarDiv.

Ogilvie, Bruce C, MCB, CamPen, to USS Northampton.

Seltz, Frederick H, 2d MAW, to MarHelTrans Gru (L) 26.

Christian, Robert L, jr, NatULant, to USA Arty & GM Scol, Ft Sill, Okla.

To MCS, Quant, Va

Nowak, Teddy W, 3d MAW.

Henn, Howard R, 1st Mar Div.

Rogers, Harry L, jr, HqMC.

Sample, Edward J, AirFMFPac.

To 2d Mar Div

From Army Lang Scol, Monterey, Calif: Butler, Owen J.

Huerlimann, Ernest A, jr.

1ST LIEUTENANT

Krogus, Tristan E G, 1st MarDiv, to MarBks NAS Rota, Spain.

Mathews, Frederick A, MAD NABTC NAS, Pncla, to 1st MAW.

Towle, Hugh H, 3d MarDiv, to 1st Mar Div.

Lockard, Edwin W, NAS Pncla, Fla, to MAG-31.

Timmmons, Dwight R, MCRD PI SC, to USS Wasp.

Annexstad, Thomas A, 2d MAW, to 1st MAW.

Degon, James R, 2d MAW, to 1st MAW.

Gaither, Joseph M, 1st Mar Brig, to MAD NABTC NAS, Pncla.

Layne, Donald Q, Cp Smedley D Butler, Tengan, Okinawa, to USA Security Agency Scol, Ft Devens, Mass.

To 2d MAW

From NAS, Pncla:

Cowart, James G, jr Hodridge, George L

To Inactive Duty

Taylor, Thomas A, jr, MarCorSupCen, Albany, Ga.

Coffey, John M, 2d MAW.

Kirkwood, John J, jr, MarBks, NavB, Brooklyn.

Sheridan, David A; MCAS, CherPt.

Murphy, John M, 2d MAW.

From MCAS, El Toro:

Braham, James W Long, Joseph C, jr

La Montagne, Leo J Wicknick, Fred M

To 1st Mar Brig

Kerlin, William T, NAS, Pncla, Fla.

From NAS, CorpC:

Freeman, Bobby H Ryan, James, jr

To AirFMFPac

From NAS, CorpC:

Accey, John B Janis, Robert V

Byrd, James C

To MCS, Quant, Va

Stevenson, Craig H, 1st Mar Div.

Ewbank, Donald D, MCB, CamLej.

Jarman, Lewis W, AirFMFPac.

Lee, Richard J, jr, 1st Mar Brig.

—Continued on back page



ATTENTION— NAVAL AVIATION

An agreement among the United States and other English-speaking nations provides that the Military of the nations standardize certain publications, including "air navigation charts." In accordance with this agreement, an instrument approach chart format was decided upon. This provides the basis for the new *Air Force-Navy Pilot Handbook* now being issued to replace *HO 510*—which Jeppesen & Co. has published for Naval Aviation for 14 years.

Jeppesen & Co., as a private, commercial enterprise, could not participate in these inter-governmental discussions and decisions.

Jeppesen & Co. continues to expand its services to more than 90% of the domestic airlines, international air carriers, and thousands of business pilots.

As a result of the action to replace the *HO 510* with the *Air Force-Navy Handbook*, Naval aviators and operations personnel will not have the following *HO 510* features after 30 June, 1957:

1. Current instrument approach chart coverage of all non-military fields with radio facilities.
2. Terminal area charts.
3. Current airport diagrams for airports not served by radio facilities (Airport—No Range Facilities section).
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U. S. Air Force

B/G Warburton Heads Eglin Ops. Test Center

Command of the Air Force Operational Test Center, Eglin AFB, Fla., will be assumed with the next few days by Brig. Gen. Ernest K. Warburton, USAF, who will arrive there from Headquarters, Tactical Air Command, Langley AFB, Va., where he served as TAC Chief of Staff.

The change is the result of the recent transfer of Brig. Gen. John A. Hilger, USAF, to Turkey.



Brig. Gen. Warburton

Air Force Gives ROPA Promotions To 13,000

The Air Force has chosen more than 13,000 Reserve officers for permanent advancement to lieutenant colonel, major and captain, under terms of the Reserve Officer Personnel Act.

In making its selections, the Air Force considered majors who will have had seven years of promotion service in grade and 21 years of total service by 30 June 1958. Captains were required to have seven years in grade and 14 years of total service, while 1st lieutenants needed four years in grade and seven years of service.

Of the total number named for increased rank, 4,292 are on active duty and 8,920 are on inactive duty. The numbers of active duty officers named are: to lieutenant colonel, 486; to major, 1,613; and, to captain, 2,193. Numbers of inactive duty officers selected are: to lieutenant colonel, 1,196; to major, 3,104; and, to captain, 4,620.

This Is AF Program For New Year

THE Air Force, which had been building in FY '57 to a force of 137 wings, including 50 Strategic, 32 Air Defense, and 55 Tactical Wings, will be shooting for a revised strength of 128 wings in the new fiscal year.

This will include 45 Strategic wings—a loss of five fighter bomber units—32 Air Defense wings, the same as in FY '57, and 51 Tactical wings, four less than in the 137-wing force.

AIR FORCE OFFICIALS call the 128 wing structure "a transition force", with missiles slated to take an increasingly important role in all combat elements. Testifying before the Senate Appropriations Committee, Maj. Gen. Daniel F. Callahan, USAF, Assistant for Programming, Deputy Chief of Staff, Operations, said recently of the FY '58 targets:

"For the first time missiles, weapons of proven usefulness, take their place in the major combat units which comprise our air strength. With the passage of time—and perhaps less time than some would think—this new trend will assume greater significance."

Detailing changes in the Air Force force level, General Callahan noted that the loss of five Strategic fighter wings, and the tactical bomb and three fighter bomb wings from the Tactical Forces, will follow changes made during FY '57 in the 137-wing organization as first presented to Congress.

THE GROSS REDUCTION, he pointed out, will be 14 wings, consisting of six Strategic fighter and fighter reconnaissance, two fighter interceptor, one tactical bomb, 2 fighter bomb and three day fighter bomb wings.

Included in the new force structure are five combat wings consisting of four troop carrier assault wings and one tactical missile wing—a net reduction of nine wings.



SIX KEY U. S. AIR FORCES in Europe commanders pose at Wiesbaden, Germany, with the USAFE Commander in Chief, Lt. Gen. William H. Tunner, during a two-day commander's conference. It is the last such conference for General Tunner who leaves to become Deputy Chief of Staff for Operations at Air Force Headquarters in Washington. Pictured (left to right) are: Col. Clyde Box, 322d Air Div.; Col. James H. Price, 7100th Support Wing; Maj. Gen. John K. Gerhart, Twelfth Air Force; General Tunner; Maj. Gen. Roscoe C. Wilson, Third Air Force; Maj. Gen. Richard J. O'Keefe, Seventeenth Air Force; and Col. F. J. Sutterlin, 2d Air Div. Generals Gerhart and Wilson also leave their USAFE assignments for new duties at the Pentagon.

Lt. Col. Dick Heads Unit

Lt. Col. Robert M. Dick, USAF, has assumed the position of Professor of Air Science at Syracuse University, N. Y. He succeeds Col. William A. Hoy, jr., USAF, assigned to Headquarters, Tactical Air Command, Langley AFB, Va.

AF Logistics Regulation

Stresses Private Industry

The Air Force has released a new regulation (AFR 400-8) covering commercial and industrial facilities.

It states that "government-owned commercial and industrial type facilities will be authorized only when it can be clearly demonstrated that private enterprise is unable to meet current and mobilization requirements, or that Government operation is necessary to carry out a military mission."

Gen. Everest's Role In 'New Look' Hailed

Gen. Nathan F. Twining, USAF, in one of his last presentations as Chief of Staff, presented the Oak Leaf Cluster to the DSM on 25 June to Lt. Gen. Frank F. Everest.

Named for four-star rank, General Everest, Deputy Chief of Staff, Operations, on 1 July becomes Commander-in-Chief U. S. Air Forces Europe, changing assignments with Lt. Gen. William H. Tunner, USAF.

"ANOTHER CLUSTER"

Following the presentation of the Oak Leaf Cluster DSM to General Everest by General Twining, the Chief of Staff summoned Mrs. Everest to congratulate her husband.

Mrs. Everest stepped forward and gave the Deputy Chief of Staff a resounding kiss.

"Another cluster!" remarked Maj. Gen. William E. Hall, Assistant Chief of Staff for Reserve Forces.

General Hall moves up to three-star rank on 1 July to succeed Lt. Gen. Charles B. Stone, USAF, who retires 30 June.

General Hall's successor is Maj. Gen. Richard A. Grussendorf, USAF, who had commanded the Sixth Allied Tactical Air Force in Turkey. He reports to the Pentagon in August.

The DSM citation for General Everest hails his work in connection with development of the "New Look."

Here is the text of the citation:

Lieutenant General Frank F. Everest, distinguished himself by exceptionally meritorious service to the Joint Chiefs of Staff from 23 April 1953 to 31 March 1954 as Director of the Joint Staff and to the United States Air Force from 1 April 1954 to 30 June 1957 as Deputy Chief of Staff, Operations, Headquarters, United States Air Force. As Director of the Joint Staff, General Everest displayed outstanding ability in directing the development of the many studies associated with the exercise referred to as the "NEW LOOK." His unfagging energy, clear perception and devotion to the objectives to be obtained in these studies contributed substantially to the adoption of their findings as a part of U. S. governmental policy. As Deputy Chief of Staff, Operations, Headquarters, United States Air Force, General Everest continued to display forceful leadership within the Joint Chiefs of Staff organization in his capacity as Operational Deputy to the Chief of Staff, United States Air Force. This forceful leadership together with his outstanding ability and ceaseless efforts was significantly displayed by General Everest in his many contributions to the present effectiveness and the future posture of the United States Air Force in its several roles of strategic, tactical, air defense and airlift operations. The singularly distinctive accomplishments of General Everest reflect the highest credit upon himself and the United States Air Force.



2D LT. WILLIAM E. CASSADY, son of Brig. Gen. and Mrs. Emmett B. Cassady of Wright-Patterson AFB, Ohio, is presented his insignia in the Air Force Reserve from his father, who was the Air Force speaker at the commissioning ceremonies held at the University of Texas. Lt. Cassady will report to Lackland AFB for a six week orientation course when he is called to active duty in October.

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'Keep 'Em Rolling to Keep 'Em Flying' Is Motto of Memphis Depot In Buying And Maintaining USAF's 200,000 Vehicles

BY COL. CHARLES A. PIDDOCK, USAF,
Commander Memphis Air Force Depot,
Memphis, Tenn.

TIME Magazine recently stated that "To the U. S. public, which pays for it, the \$16 billion-a-year U. S. Air Force is almost a phantom military organization."

It is understandable that the public conception of a jet-age Air Force is a sleek fighter or swept-wing bomber streaking through "the wild blue yonder" at unbelievable speeds and heights.

Too, it is reasonable that the man-on-the-street philosophy is restricted to thoughts of men, planes and missiles without regard to the million and a quarter items involved in their support.

NEARLY TWO-THIRDS of the total Air Force appropriation channels through the giant Air Materiel Command, the supply arm of our flying forces, with ground servicing equipment and vehicles absorbing a big portion of those dollars.

It is no doubt difficult for many to comprehend the necessity of a billion dollar inventory of "rolling stock" in the nation's globe scattered supersonic Air Force but not one of Uncle Sam's formidable Starfighters or Stratojets could rise to the challenge without the tug to pull it into position, the refueller to feed its tanks, the starter to turn its engines, the snow plow to clear its runways, the crash truck on stand-by or a score of other ground support items.

Even in this air age, a relatively simple T-33 jet trainer requires some eight ground vehicles to keep it flying and more than forty are needed in support of a B-52.

Responsibility for this world-wide vehicle program is vested in Memphis Air Force Depot at Memphis, Tenn. one of AMC's seven stateside depots.

THIS VEHICLE CAPITAL of the Air Force determines requirements, procures, controls, distributes and maintains a fleet inventory of more than three-hun-

dred categories embracing a total of some 200,000 separate vehicles.

How many and what types of vehicles will a combat commander in Germany need tomorrow, next year or in 1960 in a world enveloped in constant change?

How long will a vehicle last under normal operating conditions or in frozen wastelands or sand strewn deserts?

These and other requirement factors must be answered and that is where Memphis is meeting the test through the commodity management concept, electronic computing and other advanced management systems.

THE COMMODITY MANAGEMENT CONCEPT is simply this:

For each grouping of like vehicle types there is an assigned expert. If information is needed on crash trucks, you ask the manager for crash trucks. It makes no difference whether it involves requirements, control, interchangeability or any other function, this manager is "Mr. Crash Truck."

In accomplishing such a complex administrative mission, individual control is mandatory. When a manager takes over a commodity, he is responsible for it from the time it enters the system until it leaves. It is a cradle to the grave concept.

Memphis Air Force Depot has pioneered in the application of electronic data processing systems to Air Force logistics problems. The Air Force worldwide vehicle inventory is an example of the information maintained on a current basis through this system, an IBM 705 installed at Memphis in 1956.

General E. W. Rawlings, AMC Commander, has stated:

"ACCURATE AND RAPID DATA PROCESSING is the cornerstone of sound logistics. It is the basis for determining how much of what equipment is needed to perform a given mission; how much money will be required to procure it; how soon and in what quantities it will have to be replaced . . . Electronic data processing equipment appears to be the solution."

Electronic computer systems can show balances, record inventories and produce requirement computations in accuracy and detail never before possible.

The annual budget estimate for vehicles is processed with this system, resulting in a computation giving separate line item requirements by individual organization and time phased into the

future commensurate with Air Force programmed objectives.

Memphis, through assignment and control of registration numbers, can pinpoint a particular vehicle in Saudi Arabia or Mobile, Ala. This registration system gives each its own personality and assists in the assurance of adequate utilization of each individual vehicle.

MAINTAINING A FLEET of 200,000 vehicles is no corner garage operation. Continued surveillance of the fleet with regard to utilization, assuring exercise of proper management control, resolving mechanical deficiencies, and providing technical orders, manuals and operator handbooks are all integrated parts of the system—each mandatory, complex and equally important.

From de-icers along the frozen DEW Line to giant runway sweepers on the scorched sands of North Africa, combat commanders rely on Memphis to keep 'em rolling. Skilled technicians and maintenance teams stand by to rush to remote areas of the globe to give assistance in unusual technical difficulties encountered with vehicles more intricate and costly than many World War II aircraft.

Through vehicle pilot automotive shops, continual developments and tests are conducted in new maintenance practices.

THE INTEGRATION OF GUIDED MISSILES into the Air Force arsenal reflects, strangely enough, on the vast ground vehicle fleet program, also. Once again the program must adjust to still another specialized support item.

Vital is the multi-purpose and intricately adaptable handling truck which transports, refuels, launches and is equipped to perform basic maintenance for the TM-61 Matador. Another requirement in this area is the special truck-mounted crane. Consequently, rapid advancements in today's airpower necessitate similar progress in ground power.

Increasingly, we have been going out to our customers to determine their evolving requirements. We seek firsthand their reactions to equipment supplied; its condition, use and adaptability. Through first-hand reports and a closely edited customer service bulletin we maintain constant and personal contact—becoming immediately responsive to worldwide unit requirements.

AIRLIFT is another vital element in our overall formula of support service. Initiation of logair, a system providing

Army Navy Air Force Journal 9
29 June 1957 (Vol. 94, P. 1321)

airlift of priority shipments by a scheduled air transport system operated by commercial carriers under contract to the Air Force, has increased the flexibility of support. Priority vehicle spare parts or components may now reserve space on flights out of the Memphis Air Force terminal three times daily.

Presently, three contractor operated storage sites are under Memphis jurisdiction. They are located at Vancouver, Washington; Prairie, Mississippi; and Laurinburg, North Carolina. Equipping levels and unit stability at Air Force bases are now reaching a status permitting consideration to phasing out and consolidation of these vehicle storage areas.

Certain maintenance responsibilities are conducted at these sites and at Memphis Air Force Depot proper with much overhaul, modification and other maintenance phases farmed out to private contractors.

Ours is no warehousing operation. We
—Continued on back page

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Better Odds in Korea. The United States and the United Nations have at last announced that they will do openly and above board what the Communist forces have been doing covertly—replace their outmoded pre-1953 equipment in Korea with modern weapons and strengthen our forces there. The wonder is that we waited so long to take the step.

The extent of the Red Chinese and North Korean build-up was revealed in *THE JOURNAL*, 31 Dec. 1955, in an article by Lt. Gen. Laurence S. Kuter, USAF, Commander of the Far East Air Forces. He showed at that time the terrific handicap under which our forces there were operating. We were still using early type F-86's and the obsolete B-29's. Meantime the Communist forces to the north, in open violation of the Armistice agreement, were replacing their earlier aircraft with up-to-date Russian-made jet aircraft. Furthermore, they were improving the runways of existing fields and opening new fields. In compliance with the agreement we were doing only maintenance work. The same proved true of the ground forces. The newest of Russian equipment was being supplied to the Red troops, while ours continued to use the same types and models with which we fought the Korean war, replacing it in kind when necessary. Red ground forces were being beefed up and added to while ours were merely being rotated, replacing man for man.

Small wonder, then that when Maj. Gen. Homer L. Litzenberg, USMC, Senior UN Commissioner, served notice on the Reds at Panmunjom that the Allied Command would no longer be bound by the Red-ignored truce provision, the reaction was comparatively mild. The senior North Korean Armistice Commissioner, Maj. Gen. Chung Kook Rook, complained, but not as long nor as bitterly as he has over other issues in the past. The Chinese Communist Representative, Maj. Gen. Im Yong, apparently anticipating the subject of the conference, didn't even attend.

The long delayed UN move offers hope of putting our forces and those of our Allies on a more nearly even footing with those of their enemies across the line. It should help to restore the morale which suffered considerably from the handicap under which they had been forced to operate.

Industry and Defense. The high speeds of modern warfare and the destructive power of modern weapons are such that the productive capacity to supply the weapons and equipment of a war must exist now—we can never again count on building new plants and organizing the personnel to direct and operate them after a war has broken out.

This is true of everything that goes into the material support of the Army, Navy, Air Force, Marine Corps and Coast Guard, from shoes, clothing and food to vehicles, weapons, and ammunition.

The necessity for maintaining productive capacity was impressed upon us by World War II. At the end of that conflict many industrial plants and great quantities of machine tools were retained by the Services and put on a standby basis. But when the Korean war struck and many of these plants were turned over to manufacturers it became apparent that this was not the whole answer. New machine tools were needed to replace the older and in some instances obsolete tools in the standby plants, so that immediate production was not possible. Only plants modernly equipped, manned, and in operation can do the job properly.

Fortunately, the buildup for Korea and the determination not to be caught again so unpre-

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SATURDAY, 29 JUNE 1957

pared has given us a fine industry for the construction of modern aircraft, engines, warships, tanks, missiles, and other weapons of war.

In the non-military, consumer type of supplies, which the military requires to fight a war just as the civilian population uses in its daily activities, such as food, textiles, construction supplies, transportation, etc., the United States is particularly fortunate. We are well supplied with the productive capacity in all these categories—a capacity

READERS' VIEWS

(Letters to the Editor must have author's name and address, but name will be omitted on publication if writer so states. Longer letters may be extracted for publication.)

"Congress Should Be Ashamed"

Editor, THE JOURNAL:

What a year this has been for the Services in Congress. The least that could be hoped was that there would be quick action on the substandard housing bill, since both the House and Senate passed such legislation last year. But here it is the middle of June and the high rents for thousands of Service families forced to live like second class citizens continues.

What's the matter with the top people at the Pentagon? Why don't the Defense Department leaders demand that Congress remedy this intolerable situation? From the action that was taken on the Cordier Report, maybe their hands are tied by the Budget Bureau.

But nobody has tied Congress' hands. All I can say is that the substandard rental situation is a sorry thing, indeed. Congress should be ashamed.

MAJOR, USAF

75% Retired Pay

Editor, THE JOURNAL:

I have been a subscriber to *THE JOURNAL* for 56 years with the exception of a short time when I was abroad. If you want to do something for the older retired officers of the Armed Forces, I request that you publish the inclosed and be good enough to suggest that all of your subscribers who agree with it, clip it out and mail to their Congressman or Senator:

At long last, the Powers That Be in Washington realize the necessity for more liberal treatment of the Armed Forces if they are to attract the type of personnel we must have to keep our country free. The officers in those forces must, first of all, be restored to their pristine respect and dignity; and they must, in the matter of pay and living standards,

be restored to a position of parity with other citizens on the basis of equal pay for comparative responsibilities. That is all they ask. Their dangers and discomforts cannot be measured in dollars and cents. Those who choose a military career accept them as a matter of patriotism. But, as to pay and security, the welfare of their children must be considered because there is little opportunity for their parents to leave them any substantial inheritance. Therefore, one of the most important factors considered by intelligent men when trying to decide whether they will choose a military career, is the financial security it offers after they become incapacitated for active service because of old age or "disability incurred in line of duty."

Formerly, that security was provided by a guaranteed seventy-five per cent of the active duty pay of the grade in which the officer was retired. However, Congress changed that law because of its abuse by a few officers whose retirement "because of disability incurred in line of duty" was questionable; and which, no doubt, was attributable to an altogether too liberal recommendation by their Medical Retiring Boards.

In curing that situation, Congress, in 1949, placed the welfare of all officers retired for physical disability, in the hands of widely separated Retiring Boards whose standards are far from uniform. Some are overly lenient, some are drastically strict, some err in judgment and some, in particular instances, are prejudiced one way or another. Therefore, the degree of disability awarded by these boards in similar cases, vary to such an extent that many officers are forced to resort to an alternate method of computing the per cent of active duty pay to which they are entitled under the new law. That

is, by multiplying their number of years of active service by two and one half. And this, more often than not, amounts to less than the seventy-five per cent to which they were entitled when they elected to enter the service.

It is too much to expect that Congress will ever restore the seventy-five per cent rule, but it should, in all fairness, permit officers who were legitimately retired on account of disability incurred in line of duty, to multiply their number of years of active duty by three instead of the presently stipulated two and one half in computing their retired pay, provided; that such pay shall, in no case, exceed seventy-five per cent of the pay of the grade they occupy on the retired list. This is particularly needed when these officers reach an age or become so incapacitated that they cannot be gainfully employed and who therefore are subject to the increasing cost of the cares inherent in the infirmities of old age and loss of health.

This would mean that only those officers who have given a minimum of twenty-five years of the best part of their lives in the armed forces, would receive the seventy-five per cent of their active duty pay which, in a few remaining cases, was guaranteed to them when they entered the service. Furthermore, they must be beyond the age for gainful employment—or, so physically incapacitated that their needs exceed their present pay. Such a change in the law would do much to provide the incentive that is necessary in these days of inflation and ever-decreasing purchasing power of fixed salaries. The age at which one may be considered unemployable, might fairly be fixed at sixty-four, the former compulsory age for retirement.

AN EIGHTY-TWO-YEAR-OLD VETERAN OF THREE WARS.

that can meet the needs of both the peace time and war time economy.

Furthermore, there is a greater understanding than ever before on the part of all business and industry of the vital part they play in our National Defense. They realize that they are partners with the Armed Forces as guardians of the nation's security. The willingness of American business and industry to play their part in the defense effort is shown by those listing their availability in *THE JOURNAL*'s annual Procurement Directory, published in this issue.

Vital as skilled and trained manpower is, it would be powerless without the business and industrial organizations to keep it constantly supplied with the arms and equipment needed to fight wars any place in the world.

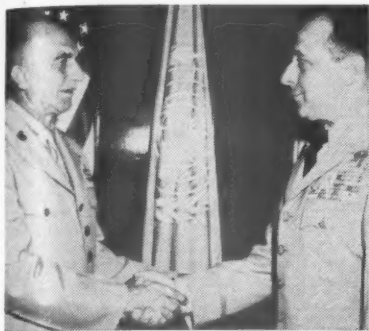
QUOTES FROM THE JOURNAL

10 Years Ago (28 June 1947)—American industry today plays a two-fold role in our national life, for in addition to its function as producer of the civilian necessities and the basis of our national economy, it has become a major active component in our National Defense organization. World Wars I and II demonstrated the necessity of the close integration of our forces of production and arms, with each aware of the other's capabilities and limitations, and each prepared at all times to redirect its efforts from peace to war.

50 Years Ago (29 June 1907)—In the Philippines, as elsewhere, the Army uniform serves as the subject of never-ending discussion. The special contention set up in the islands is that enlisted men stationed there should be supplied with uniforms made of the khaki obtainable in Manila, that fabric being, as is claimed, superior to the material used in the United States.

90 Years Ago (29 June 1867)—The real difficulties of the Pacific Railroad enterprise will not present themselves until the Rocky Mountains are reached. That these difficulties will be overcome, we do not question; and, indeed, the indications are that they will prove less formidable than is popularly supposed. The importance of the Pacific Railroad enterprise cannot be exaggerated.

Fiscal '58 Start Finds All Services Making Command and Organization Transfers



NEW ARMY VICE COFS General Lyman L. Lemnitzer, USA, right, greets Lt. Gen. V. J. McCaul, USMC, during a visit by the Assistant Commandant of the Marine Corps for Air to United Nations Command/Far East Command Headquarters in Tokyo.

General Lemnitzer At Pentagon 8 July

Gen. Lyman L. Lemnitzer, USA, changes three titles for one in July.

He has been Commander-in-Chief Far East Command, Commander-in-Chief United Nations Command, and Governor of the Ryukyu Islands.

On 1 July he departs Tokyo for Washington to become Vice Chief of Staff.

General Lemnitzer is expected to take over his new assignment about 8 July, replacing General Williston B. Palmer, USA, who is now Deputy CinC U.S. European Command in Paris.

General Palmer took over from Gen. George H. Decker, USA, who goes to Korea.

General White moves to Hawaii to be Pacific Army Commander.

Lt. Gen. Blackshear M. Bryan, USA, who had been in command of U.S. Army Pacific, has been named to head the First Army at Governors Island, N.Y., in place of retiring Lt. Gen. Thomas W. Herren, USA.

THE FAR EAST COMMAND, which was established 1 January 1947 and reorganized on 28 April 1952 when the Treaty of Peace came into effect, will be inactivated 1 July. Many of its responsibilities will be assumed by the Commander-in-Chief, Pacific, Adm. Felix Stump, USN, who will have overall command of U. S. military forces throughout the Pacific area with his headquarters in Hawaii.

Admiral Stump will be represented in Japan by Lt. Gen. Frederic H. Smith, USAF, whose joint headquarters will continue to maintain the close working relationships which have existed between the Far East Command and the Japanese Government agencies and the American Embassy, Tokyo. His headquarters will also be responsible for coordination of joint matters involving the U. S. Army, Navy, and Air Forces in Japan. In addition to serving as commander of the United States joint headquarters in Japan, General Smith will retain command of the Fifth Air Force.

GEN. LAURENCE S. KUTER, USAF, and Gen. I. D. White, USA, will continue to be directly concerned with the defense of Japan, serving respectively as the Commander-in-Chief, U. S. Air Forces, Pacific, and the Commander-in-Chief U. S. Army Forces, Pacific, with headquarters in Hawaii.

Vadm. Roscoe F. Good, USN, will continue to command U. S. Naval Forces in Japan, and Lt. Gen. Charles D. Palmer, USA, who is presently General White's Deputy Commander at Camp Zama, will remain in Japan to command U. S. Army Forces there.

ANOTHER CHANGE which will take place 1 July is the transfer of the U. N. Command from Japan to the Republic of Korea, and the appointment of General Decker as the new Commander-in-Chief, United Nations Command.

The United Nations Command was established in Tokyo 24 July 1950 under General of the Army Douglas MacArthur.

ADMIRAL STUMP HEADS LARGEST COMMAND

Admiral Felix B. Stump, USN, 62, Commander in Chief, Pacific, 1 July becomes head of the largest military command in the world. He adds over one-and-three-quarter million square miles of territory to his military responsibility as the Pacific Command absorbs the U. S. Far East Command.

From his joint headquarters at Pearl Harbor, Admiral Stump will direct the hundreds of ships, thousands of planes, and half-million service personnel the United States has stationed throughout the Pacific area.

His command comprises over 75 million square miles of land and water; almost one-half the earth's surface.



DROP "GUIDED"

On 1 July, the Army drops the word "guided" from the title of the school at the Ft. Sill, Okla., Artillery and Missile Center.

New title: U.S. Army Artillery and Missile School. Explanation is that the Army uses other types of missiles, such as the Honest John Rocket. Also, of course, the new title would cover ballistic missile instruction.

The Antiaircraft Artillery and Guided Missile Center at Ft. Bliss, Tex., 1 July becomes the U.S. Army Air Defense Center, with its main activity the Air Defense School, previously the Antiaircraft Artillery and Guided Missile School.

AF Intelligence Change

Effective 1 July, Maj. Gen. Millard Lewis, USAF, Director of Intelligence, receives a new title. He will be Assistant Chief of Staff, Intelligence.

Maj. Gen. James H. Walsh, USAF, Deputy Director of Intelligence and Deputy Director of Collection and Dissemination, becomes Deputy ACofS, Intelligence, with additional duty as Director of Collection and Dissemination.

IN THE ARMY, Maj. Gen. Robert A. Schow, USA, is Assistant Chief of Staff, Intelligence, and Maj. Gen. R. H. Wienecke, USA, is Deputy ACofS.

THE NAVY has RADM. L. H. Frost, USN, as Assistant Chief of Naval Operations (Intelligence) and Director of Naval Intelligence. Deputy Director for Intelligence is RADM. Charles B. Martell, USN.



Gen. Spicer Shifted To Head Crew TAF

Maj. Gen. Henry R. Spicer, USAF, Vice Commander and Chief of Staff of the Air Training Command on 1 July will assume command of the Crew Training Air Force at Randolph AFB, Tex.

He will take over from Maj. Gen. Frank H. Robinson, USAF, who is being reassigned to the Randolph AFB Hospital for further treatment of a back injury received when his helicopter lost power and crashed at Randolph AFB several months ago.

General Robinson has commanded CrewTAF since January 1956.

General Spicer's new assignment will mark a return for him to CrewTAF, where he served in 1954 as Deputy Commander prior to his assignment to ATC headquarters as Inspector General.

MATS Grows Bigger

MATS takes over two TAC C-124 troop carrier bases 1 July. Ten squadrons of Globemasters at Donaldson AFB, S. C. and Larson AFB, Wash., move from control of General O. P. Weyland, USAF, to Lt. Gen. Joseph Smith, USAF.

Continental Division of MATS at Kelly AFB, Tex., whose new commander is Maj. Gen. Russell L. Waldron, USAF, gets the huge transports.

General White Tells AF Ops Staff Changes

General Thomas D. White, USAF, Vice Chief of Staff who takes over as Chief of Staff from General Nathan F. Twining, USAF, on 1 July, already has announced changes in Plans, Programs and Operations in the USAF Staff.

Maj. Gen. John K. Gerhart, USAF, who has commanded the Twelfth Air Force in Germany, receives a third star as head of the newly created post of Deputy Chief of Staff for Plans and Programs.

General Gerhart's office will include a new Assistant for Inter-Agency Affairs and the Assistant for Long-Range Objectives and other activities transferred from DCS/Operations. The Air Force said the two Assistants have not yet been named.

General White has announced that the Assistant Chief of Staff, Installations, Brig. Gen. Augustus M. Minton, USAF, will become the Director of Installations under Lt. Gen. William H. Tunner, USAF, formerly CinC of USAFE, who will replace Lt. Gen. Frank F. Everest, USAF, as DCS/Operations.

Three Deputy Chief of Staff slots remain unchanged. Lt. Gen. Donald L. Putt, USAF, continues as Development Deputy, with Lt. Gen. C. S. Irvine, USAF, as Materiel Deputy.

Lt. Gen. Emmett O'Donnell, USAF, who has held the assignment since May 1953, has been extended as DCS/Personnel.

Two Marines Get Stars, Three End Careers

Col. James M. Masters, USMC, and Col. Ralph K. Rottet, USMC, will be promoted to brigadier general 1 July as three Marine general officers retire.

Maj. Gen. Robert O. Bare, USMC, will be promoted to three-star rank on retirement and will be succeeded as Commanding General, 1st Marine Division, Camp Pendleton, Calif., by Maj. Gen. Reginald H. Ridgely, Jr., USMC.

Brig. Gen. Wallace M. Greene, Jr., USMC, succeeds retiring Brig. Gen. Joseph W. Earnshaw, USMC, as Commanding General, Marine Corps Base, Camp Lejeune, N. C.

Brig. Gen. Thomas G. McFarland, USMC, Commanding General, Marine Corps Base, Twenty Nine Palms, Calif., will retire and will be succeeded by Brig. Gen. Randall M. Victory, USMC, Assistant Commander of the 2d Marine Division, FMF, Pacific.

New assignments for Colonel Masters and Colonel Rottet were not announced; the former is with Headquarters, FMF, Pacific, and Colonel Rottet is with Headquarters, FMF, Atlantic.

Their promotions will exhaust the list of one-star selectees chosen by the fiscal '57 board, with the exception of Col. Samuel R. Shaw, USMC, Deputy Chief of Staff for Research and Development at USMC Headquarters.

General LeMay's Tour—October '48-June '57

Air Force Special Orders Number 114, dated 13 June, gave official word that General Curtis E. LeMay, USAF, 26A, would be relieved as CinC of SAC at Offutt AFB, Nebr., and report to Washington, D. C., to become Air Force Vice Chief of Staff on 1 July.

This brings to a close a brilliant record of service by General LeMay at SAC. He took command of the nation's bomber force, which then had its headquarters at Andrews AFB, Md., in October 1948.

General LeMay, 50, is succeeded at Offutt by Lt. Gen. Thomas S. Power, USAF, who has been Commander of the Air Research and Development Command, Baltimore, Md. since May, 1954 after serving with SAC from October 1948. He was made SAC Deputy Commander in November 1948 when the shift was made from Andrews to Offutt.

General Power's successor at ARDC is Lt. Gen. Samuel E. Anderson, USAF, who has been Director, Weapons System Evaluation Group.

ANOTHER DIVISION GOES "PENTOMIC"

The Army's drive to streamline its combat units for atomic warfare moves another step forward 1 July as the 3d Infantry Division at Ft. Benning, Ga., which is headed for Gyroscopic service in Germany next Spring, goes "Pentomic."

Commanded by Maj. Gen. Roy E. Lindquist, USA, the 3d will be reorganized under the ROCID concept (Reorganization of Current Infantry Division). General Lindquist directed evaluation tests for the Army's pioneer "Pentomic" unit, the 101st Airborne Division at Ft. Campbell, Ky.

The 3d will switch places in Germany with the 10th Infantry Division beginning next March.



Maj. Gen. Bare



Maj. Gen. Spicer



memo

STRONG PRESENTATIONS will be made by the Services before the special Denti-Care Committee, organized by the Defense Department to look into the problem of curtailed family dental care in the U. S. First meeting is scheduled for 8 July. The Army and AF have been hit hardest by the ruling that only emergency dental treatment is authorized for dependents in the ZI. **THE AIR FORCE WILL TELL** the Committee that only about 4 per cent of dental health requirements for families were being met before passage of the Dependents Medical Care Act, and there has been a subsequent drop. The Army has similar data.

THE MORALE IMPACT resulting from the loss of family dental care—even on a basis sharply limited by lack of sufficient military dentists—will be underscored. Service spokesmen will point out also that confusion is resulting in over-all medical care. They will tell how physicians caring for maternity cases consider proper dental care an important health factor, whether or not such treatment can be defined as an "emergency."

NEW PRESSURES ARE BEING APPLIED by the airlines and the Chamber of Commerce to force a further reduction in MATS flying. The fact that MATS goes on an Industrial Fund basis as of 1 July will add fire to this campaign, since it is certain to be pointed out that MATS plane utilization is far below that of commercial airlines. What the Services must stress repeatedly is that MATS is a D-Day fighting unit, which can keep in trim only by daily flights over world-wide routes. **CURIOSLY**, the Chamber's presentation to the Senate Appropriations Committee in behalf of increased use of commercial airlines was made by Mr. Perry M. Shoemaker. He is President of the Delaware, Lackawanna and Western Railroad.

SECDEF WILSON CAN BE COUNTED ON to contest demands for summary unification. He has consistently opposed the creation of a single Supply Service. That doesn't mean the Secretary is not pressing for elimination of duplication wherever possible; in this connection, you can watch for the Weapon Systems Evaluation Group to take on increased stature. WSEG prestige, not always high, has been enhanced by action advancing its Director, Lt. Gen. Samuel E. Anderson, USAF, to head the Air Research and Development Command and placing RADM. John H. Sides, USN, a Guided Missile advisor to Secretary Wilson, at the head of the joint activity. He will have three-star rank.

THE YOUNGEST GENERAL OFFICER on active duty, Brig. Gen. Elliott Vandevanter, jr., USAF, who was graduated from West Point on his 22d birthday on 12 June 1939—he made colonel at 26—has just been named Chief of the Plans and Policy Branch at SHAPE Headquarters.

SHARP ATTENTION WILL BE FOCUSED on an address by General Thomas D. White, USAF, at the Air Force Association's 1957 convention in Washington, D. C., on 2 August. He will have been Chief of Staff for a month, could use this platform to reveal new Air Force plans.

THE MARINES WILL TEST an Air Force Lockheed C-130 Hercules propjet transport for possible use as an in-flight refueling tanker. The Marines also are looking at the C-130 as a combat transport.

THE ARMY CAN EXPECT powerful protests from Reserve groups as an aftermath of its decision to transfer 22,000 Reserve officers to a non-drill pay status starting 1 July. Aim is to obtain funds for six-month enlisted trainees. Some officers will lose pay for 24 drill periods, others for 12; promotion and retirement credit, however, will not be affected.

THIS ACTION IS ONLY a relative drop in the bucket compared to the growing fiscal problem that confronts the Army in paying for the kind of Ready Reserve program that has been approved. What is needed, top Pentagon officials agree, is an entire new look at the Reserve structure.

CRIS OF DISCRIMINATION may be raised next fall when the Navy boosts the obligated service of regular NROTC graduates from three to four years. Despite Cordiner Committee recommendations to increase the required service of Academy graduates, the Armed Forces have sent new legislation to the Capitol which calls for only a three-year requirement. The same measure, however, asks that those who resign from the Academies or who are not offered an appointment, be required to sign up for six years in the Reserve.

THE AIR FORCE HAS ISSUED RULES covering the training of airmen in special food courses at leading civilian hotels, restaurants and cafeterias. The regulation (AFR 50-30) emphasizes that the civilian training must be related to preparing and serving "large quantities of good substantial food." The prescribed course of 320 hours includes 40 hours each for soups, sauces and gravies; roast, fried, broiled and simmered meats; meat specialties; and poultry, fish and shell seafoods. Sixteen hours are approved for desserts.

THE ARMY'S TWO RESERVE GENERALS on active duty will be serving in Europe later this summer. Maj. Gen. Robert W. Colglazier is CG of COMZ. Maj. Gen. Philip F. Lindeman, who has been Chief Reserve and ROTC Affairs, is under orders to USAREUR in August. He was a 25th Infantry Division regimental commander in WWII, may now be headed for a division command.

FIVE NON-REGULAR MAJOR GENERALS were on active duty with the Air Force during June. George G. Finch led the 14th AF at Robins AFB, Ga.; Chester McCarty heads the 18th AF at Donaldson AFB, S. C.; Walter I. Miller, former Director of Accounting and Finance, succeeds Thomas R. Rumpy as USAFE Comptroller, and Winston P. Wilson is Deputy CofS and Chief of the Air Force Division of the National Guard Bureau.

THE NAVY HAS ONLY ONE flag officer on active duty who is a Reservist. He is RADM. Irving M. McQuiston, USNR, Military Executive, Reserve Forces Policy Board. The Marines have only one Reserve general on active duty, Brig. Gen. William W. Stickney, USMCR, Director of Reserve.

THE ARMY WILL BAN sale of the Green uniform to foreign nationals, although it will still be possible for foreign trainees in the U. S., who lack proper clothing, to wear the basic U. S. uniform of shade 61 tropical worsted or khaki, shade 1, with U. S. buttons, insignia and distinguishing marks removed.

CONGRESS HAS BEEN TOLD the Army is considering adapting the green garb for women in place of the winter service taupe uniform. An announcement could follow the start 1 July of issuance of the Green to new soldiers. They will be given 1 Green and 1 OD 33 uniform through October 1958, when 2 Green uniforms will be included in the initial issue.

U. S. ARMY ORDERS

Wilber M. Brucker—Secretary of the Army

Charles C. Finucane—Under Secretary of the Army
 Hugh M. Milton, II—Assistant Secretary (Manpower & Reserve Forces)
 Dewey Short—Assistant Secretary (Civil-Military Affairs)
 Frank H. Higgins—Assistant Secretary (Logistics)
 George H. Boderick—Assistant Secretary (Financial Management)
 William H. Martin—Director, Research and Development
 General Maxwell D. Taylor—Chief of Staff

GENERAL OFFICERS—

Lindeman, Maj Gen Philip F. Wash, DC, to USAEUR, Heidelberg, Germany.
 Hardick, Brig Gen William L. Brussels, Belgium, to USA Elm OSD (8475) Wash, DC.
 Pich, Brig Gen Alva R. USAEUR, to USA Elm MAAG, Belgium-Luxembourg (MAP) (7225) Brussels, Belgium.
 Stamps, Brig Gen (Prof) Thomas D; is retired; fr West Point, NY.
 Herlick, Brig Gen Curtis J, Ft Bragg, NC, to USAARPAC.
 Chase, Brig Gen Charles H, Ft Campbell, Ky, to XVIII Abn Corps, Ft Bragg, NC.

INFANTRY—

Connor, Col Stanley R, Wash, DC, to Hq USA Mil Dist Fla (3350) Jacksonville, Fla.
 Hill, Col Carl R, Atlanta, Ga, to USA Instr Gp (Sr ROTC) Ga (3340-3) Atlanta, Ga, w/sta Univ of Ga, Athens.
 Weaver, Col Carl A, Ft Monroe, Va, to USA ADGRU (NGUS) Calif (6601) Sacramento, w/sta Alameda, Calif.
 Green, Col Lynell W, Ft Benning, Ga, to 95th Inf Div, Ft Carson, Colo.
 Adair, Col George T, Ft Myer, Va, to USA Elm MAAG Vietnam (8653) Saigon, Vietnam.
 Randall, Lt Col Frank J, Ft Devens, Mass, to Hq US CONARC (7100) Ft Monroe, Va.
 Williams, Lt Col Trevor E, Ft Benning, Ga, to Hq US CONARC (7100) Ft Monroe, Va.
 Petrovich, Lt Col Enrique, New Orleans, La, to USATC Inf (3431-3) Ft Jackson, SC.
 Windham, Maj William R, Ft Benning, Ga, to USA Elm JUSMAG, Thailand (8658) Bangkok, Thailand.
 Kazarnowicz, Maj Edward J, Harrisburg, Pa, to USA ADGRU (USAR) Ky (2308) Louisville, Ky, w/sta Ashland, Ky.

Brown, Maj Aaron C, Ft Meade, Md, to USA Engr Sch (9829) Ft Belvoir, Va.
 O'Hara, Maj Richard G, Arlington, Va, to Hq USA ASA Europe (8620) Frankfurt, Germany.
 Crist, Capt William E, jr, Ft Benning, Ga, to Stu Det Hq Sixth USA, Presidio of San Francisco, w/sta US Naval Post Grad Sch, Presidio of Monterey, Calif.
 Niewander, Capt Dennis R, Ft Riley, Kans, to Hq The Sch Brig USA Inf Sch (3440-1) Ft Benning, Ga.

Scopoli, Capt Mariano, Philadelphia, to USA Gar (6003) Ft Ord, Calif.
 Winkel, Capt Robert C, Ft Benning, Ga, to USA Instr Gp, ROTC, Colo (5101) Denver, w/sta Colo College, Colo Springs.
 Wilkinson, Capt John J, Ft Dix, NJ, to US-ARCARIB (Antilles).

Nardella, Capt Ralph A, Paramus, NJ, to US-ATC Inf (1401) Ft Dix, NJ.
 Legg, Capt Jacky D, Ft Ord, Calif, to USA ADGRU (NGUS) Va (2081-04) Richmond, w/sta Roanoke, Va.

Lovette, Capt Jason P, Ft Meade, Md, to USA Gar (5028) Cp Lucas, Sault Ste Marie, Mich.

Freit, Capt Randall U, Governors Is, NY, to 25th Inf Div, USARPAC, Schofield Bks, TH. Pihucci, 1st Lt John, Ft Ord, Calif, to 2d Cmbt Team, Keflavik, Iceland.
 Grubbs, 1st Lt Edward F, jr, Ft Polk, La, to Hq USA Southern European TF, Verona, Italy.

Hyatt, 1st Lt Howard L, Ft Campbell, Ky, to 3d Inf Div, Ft Benning, Ga.
 Sterbenz, 2d Lt Donald L, Ft Campbell, Ky, to 289th MI Plat, Ft Campbell, Ky.
 Davies, 2d Lt Peter G, Ft Holabird, Md, to USA Gar (6003) Ft Ord, Calif.
 Keene, 2d Lt Jack, Ft Benning, Ga, to US-AFFE.

To Officer Stu Co (Stu) (3461) USA Avn Sch, Ft Rucker, Ala

Chilelli, 1st Lt John L, Ft Ord, Calif.
 Hemminger, 1st Lt John G, Ft Carson, Colo.
 Metallo, 1st Lt Vincent J, Ft Dix, NJ.
 Matheson, 2d Lt Robert G, Ft Bragg, NC.
 Osborne, 2d Lt William J, Ft Benning, Ga.
 Pixley, 2d Lt Morris H, jr, Ft Carson, Colo.
 Pulliam, 2d Lt Nathan M, Ft Jackson, SC.
 White, 1st Lt Robert J, Ft Carson, Colo.
 Watson, 1st Lt Henry G, Ft Bragg, NC.
 Harris, 2d Lt George E, Ft Gordon, Ga.
 McFarland, 2d Lt Harry L, Ft Bragg, NC.
 Paredes, 1st Lt Robert, Ft Bragg, NC.
 Bronson, 2d Lt Russell, Ft Ord, Calif.
 Denton, 2d Lt Duane F, Ft Bragg, NC.
 Privette, 1st Lt Jake H, Ft Jackson, SC.

To USA Elm Task Gp 7.2 JTF 7 (7126) Eniwetok Atoll, Marshall Islands
 Peppel, Capt Blair W, Arab, Ala.
 Thomas, 1st Lt Daniel H, jr, Ft Bragg, NC.

To 101st Abn Div, Ft Campbell, Ky
 Foley, Capt Frederick J, Ft Bragg, NC.
 From Ft Benning, Ga:
 Brons, 1st Lt R L, St Lawrence, Capt
 Hazelwood, Capt J E, Thos J
 Bick, Capt Jas D

To Stu Det USA Lang Sch, Presidio of Monterey, Calif

Landis, Capt Lincoln, Ft Benning, Ga.
 Drewry, Capt James C, jr, Ft Lewis, Wash.
 Obley, Capt William M, Omaha, Nebr.

To 82d Abn Div, Ft Bragg, NC

Marlar, 2d Lt Calvin G, Ft Holabird, Md.
 Dillender, Col Clyde M, Ft Monroe, Va.

To Korea

Prescott, 1st Lt William R, Ft Ord, Calif.
 Rexroat, 1st Lt James A, Ft Ord, Calif.
 Butcher, Maj Orville K, Ft Lewis, Wash.
 Allen, 1st Lt Raymond F, jr, Ft Campbell, Ky.
 Siegert, 1st Lt Robert W, jr, White Sands Pr Gr, NMex.

From Ft Benning, Ga:
 LeFebvre, 2d Lt L R Geary, 2d Lt K A, jr
 Lamour, 2d Lt H M Harris, 2d Lt R H
 McCaskey, 2d Lt R W Southern, 2d Lt K E
 Coblenz, 2d Lt Ronald Waymer, 2d Lt D B
 Doherty, 2d Lt L M Almy, 1st Lt Donald C

To Germany

Phillips, Maj Robert H, Ft Campbell, Ky.
 Perez-Guadalupe, 1st Lt Rafael, Ft Riley, Kans.

Fosse, Capt Maurice J, USA Armor Sch, Ft Knox, Ky.
 McIntosh, Capt Robt B, jr, Hq Third USA, Ft McPherson, Ga.

Strauss, Capt Harry H, USA Gar, Ft Dix, NJ.
 Thompson, Capt Sterling R, Oakland, Calif.
 Stith, Maj Charles R, Ft Leonard Wood, Mo.

Adams, Capt Jesse H, Ft Chaffee, Ark.
 Davis, Capt Randall B, Ft Dix, NJ.
 Declet, Capt Ceferino, Ft Dix, NJ.

Dorch, Capt Leonard J, Ft Leonard Wood, Mo.

Habas, Maj Milton L, Ft Meade, Md.
 Johnson, Maj Frederick A, jr, Ft Sam Houston, Tex.

Wells, Capt James P, Ft Benning, Ga.
 Burkhardt, 1st Lt George A, jr, Ft Lewis, Wash.

Henley, 1st Lt Robert F, Ft Campbell, Ky.
 Hess, 1st Lt Donald L, Ft Sill, Okla.
 Sizemore, Capt Denver, Grand Ledge, Mich.
 Liell, 1st Lt William J, Ft Ord, Calif.

Barker, 1st Lt Wayne E, Ft Carson, Colo.
 Maddox, 1st Lt Chesley B, jr, Ft Riley, Kan.
 Parker, 1st Lt George D, Wash, DC.

Stice, 2d Lt John E, Ft Riley, Kans.
 Payne, 1st Lt Lloyd A, Ft Polk, La.
 Auletta, Maj Anthony J, Ft Gordon, Ga.

Sulter, 1st Lt Leo F, Ft Leonard Wood, Mo.
 Blauert, Capt James D, Ft Benning, Ga.
 Vassey, Capt Lyman W, Ft Benning, Ga.

Hadly, 1st Lt William M, Ft Lewis, Wash.
 Caswell, 1st Lt James E, jr, Ft Bragg, NC.
 Figueroa-Santana, 1st Lt Emilio, Ft Jackson, SC.

Hoffman, Capt Boydell, Ft Hamilton, NY.
 Francavilla, Capt Anthony F, Ft Carson, Colo.
 Lewis, Capt Russell M, Ft Lewis, Wash.

Lorck, Capt Warren, Ft Sheridan, Ill.
 Tolbert, Capt Claude T, Ft McPherson, Ga.
 Lopez, Capt Israel, Ft Gordon, Ga.

Cooper, Lt Col Carroll G, Northfield, Minn.
 Woods, Capt Woodrow F, Ft Hood, Tex.
 DeMello, Capt Denis C, Ft Dix, NJ.

Gulang, Capt Marcelino C, Ft Ord, Calif.
 Lisenbe, Capt James C, Ft Knox, Ky.
 Beard, 1st Lt Joe K, Ft Riley, Kans.

Bradbury, 1st Lt William F, jr, Ft Dix, NJ.
 Burrell, 1st Lt Donald F, Ft Lewis, Wash.
 Burt, 1st Lt Jerry L, Ft Knox, Ky.

Summers, Capt Robert E, Ft Benning, Ga.
 Lehman, 1st Lt Jerome S, Ft Riley, Kans.
 Reddick, 1st Lt James W, jr, Ft Dix, NJ.

To France

Lane, Maj Julius F, Ft Dix, NJ.

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 Phillips, Capt Edward R, Ft Meade, Md.

To USAARPAC

Davis, Capt Albert B C, jr, Ft Jackson, SC.
 Hutton, Capt Frank V, Phoenix, Ariz.

ARMOR—

Leydecker, Col Charles E, Ft Knox, Ky, to Hq Fifth USA (5000) Chicago, Ill.
 Cox, Col Landon G, Ft Polk, La, to USA ADGRU (NGUS) (6602) Boise, Idaho.

Dunn, Lt Col Robert T F, Ft Monroe, Va, to 25th Inf Div (USARPAC) Schofield Bks, TH.

Guffanti, Lt Col Albert D, Sidney, Mont, to Korea.

Young, Lt Col Robert W, Twin Falls, Idaho, to Germany.

Clark, Capt Clyde O, Ft Hood, Tex, to Stu Det USA CGSC, Ft Leavenworth, Kans.

Leigh, 1st Lt Harry A, Ft Holabird, Md, to USA Avn Sch (3461) Ft Rucker, Ala.
 Roddy, 2d Lt Robert E, Ft Ord, Calif, to 72d Tk Bn, Cp Irwin, Calif.

To USA Trans Tng Comd (9250) Ft Eustis, Va
 Lemon, 1st Lt Gilman J K, (TC) Cp Irwin, Calif.

Hudman, 2d Lt George D, (TC) Ft Polk, La.
 Hodgson, 1st Lt Lowell F, (TC) Ft Knox, Ky.
 Dekie, 1st Lt Thomas A, (TC) Ft Knox, Ky.

ARTILLERY—

Malone, Col Thomas R, Ft Meade, Md, to Hq USA Air Def Comd (7285) Ent AFB, Colo Springs, Colo.

Piram, Col Joseph S, Wash, DC, to USAARPAC.

Wills, Lt Col Harold P, Fall River, Mass, to Hq US ASA Tng Cen, Ft Devens, Mass.

Rouse, Lt Col Edward B, Army Cml Cen, Md, to Hq 2d Lt GM Gp, Ft Bliss, Tex.

Kays, Lt Col Lee G, Ft Bragg, NC, to USA ADGRU (USAR) Va (2304-1) Richmond, Va.

Fletcher, Lt Col Charles W, Ft Leavenworth, Kans, to Stu Det USARWC, Carlisle Bks, Pa.

Green, Lt Col Grant S, Ft Chaffee, Ark, to USA ADGRU, Calif, Presidio of San Francisco.

Killian, Lt Col John J, Ft Leavenworth, Kan, to 1st Arm Div, Ft Hood, Tex.

McGIVEN, Lt Col Paul L, Pasadena, Calif, to Hq 1st Region Army Air Def Comd, Ft Totten, NY.

Charles, Maj Alvin K, Ft Campbell, Ky, to USA Avn and Elct Bd US CONARC (7105) Ft Bragg, NC.

Woolf, Maj Harold E, Ft Lee, Va, to Hq Third USA (3000) Ft McPherson, Ga.

Noian, Maj William J, Ft Carson, Colo, to Hq USA Air Def Comd (7285) Ent AFB, Colorado Springs, Colo.

Lingle, Maj Arnold H, Ft Bliss, Tex, to US-AFFE, Okinawa.

Brooks, Maj Rodney C, Minneapolis, Minn, to 4th Inf Div, Ft Lewis, Wash.

McCarthy, Capt Cornelius F, Ft Sill, Okla, to USA Adv Gp (USAH) NJ, Kearny, NJ.

Wirrlick, Capt James E, Wash, DC, to Research and Development Fld Office USA (8667) Ft Belvoir, Va.

Dickson, Capt James T, Ft Bragg, NC, to USA ADGRU (NGUS) Mich (5106) w/sta Grand Ledge, Mich.

Smith, Capt Harold T, Ft Polk, La, to USA Avn Sch, Ft Rucker, Ala.

Mechtel, Capt Norman E, Chicago, to USA AAA and GM Sch (4054) Ft Bliss, Tex.

Junge, Capt Edwin B, San Antonio, Tex, to 1st Arm Div, Ft Polk, La.

Miller, Capt Gerald H (MI) Wash, DC, to 525th MI Gp, Ft Meade, Md.

Winters, Capt William F, Ft Rucker, Ala, to Hq 1st Inf Div, Ft Riley, Kans.

Fennell, 1st Lt Chalmers L, Ft Knox, Ky, to 195th AAA Bn, Ft Hood, Tex.

Boop, 1st Lt Dean A, jr, (FC) Cp Hanford, Wash, to Stu Det Fin Sch USA (9003) Ft Harrison, Ind.

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Army Navy Air Force Journal 13
 29 June 1957 (Vol. 94, P. 1325)

DEPARTMENT OF DEFENSE

The Hon. Dwight D. Eisenhower, Commander in Chief of the Armed Forces
 Military Liaison Officer—Brig. Gen. Andrew J. Goodpaster

Military Aide—Col. Robert L. Schulz, USA
 Naval Aide—Capt. Evan P. Aurand, USN
 Air Force Aide—Lt. Col. Wm. G. Draper, USAF

Secretary of Defense—Charles E. Wilson

Deputy Secretary of Defense—Donald A. Quarles

Assistant Secretaries of Defense:

W. J. McNell (Comptroller)
 William H. Francis, jr. (Manpower, Personnel and Reserve)

Mansfield D. Sprague (International Security)
 Edward P. McGuire (Supply and Logistics) (Research and Engineering)

Floyd S. Bryant (Properties & Installations)
 Dr. Frank B. Berry (Health & Medical)
 Murray Snyder (Public Affairs)

General Counsel—Robert Dechert
 Chairman of the Joint Chiefs of Staff—Admiral Arthur Radford, USN

Greany, 1st Lt Virgil R, Seattle, Wash, to 4th USA Fld Sta, Asmara, Eritrea.

Gerardi, 2d Lt John L, Ft Sill, Okla, to 1st Inf Div, Ft Riley, Kans.

Kyhl, 2d Lt John P, Ft Sill, Okla, to 1st Arm Div, Ft Polk, La.

O'Meara, 2d Lt Patrick B, Ft Bliss, Tex, to 195th AAA Bn, Ft Hood, Tex.

Patte, 2d Lt Chris, Ft Sill, Okla, to 101st Airborne Div, Ft Campbell, Ky.

Mattiza, 2d Lt Odes O, jr, Ft Bliss, Tex, to USAEUR.

To Stu Det USA AAA and GM Sch, Ft Bliss, Tex

Fleming, Capt Carl E, Army Cml Cen, Md.
 Chaulk, Capt Kenneth G, Ft Totten, NY.
 Hawker, 1st Lt Donald W, Ft Tilden, NY.

Pertain, 2d Lt George H, jr, Simsbury, Conn.
 Walsh, Capt Gerald C, Ft Totten, NY.

To 217th FA Ml Bn Redstone Arsenal, Huntsville, Ala

Gressette, Capt William C, Ft Bragg, NC.
 Rhea, 1st Lt Donald M, Ft Polk, La.

From Ft Bliss, Tex:
 Owens, 1st Lt W R Cannon, 1st Lt Max E Coughlin, Capt Paul A

To USA Ballistic Msl Agency (9377) Redstone Arsenal, Huntsville, Ala

Gildart, Col Robert C, Ft Monroe, Va.
 From Ft Sill, Okla:
 Marvel, Capt Edgar E Meagher, 1st Lt R J

To Hq Sch Brig USA AAA and GM Sch (4054) Ft Bliss, Tex

Dent, Capt James R, Charlottesville, Va.
 Hanley, Capt William J, Chicago.
 Preston, Capt John E, Natchitoches, La.

To Hq 1st GM Brig, Ft Bliss, Tex

Colane, Capt Vincent R, Buffalo, NY.
 Frederick, Mishia, Youngstown, Ohio.
 Jones, 2d Lt Jack L, Champaign, Ill.

To Stu Det Fin Sch, USA (9003) Ft Benjamin Harrison, Ind

Lutz, 1st Lt Joseph C, (FC) Ft Hood, Tex.
 Gordon, 1st Lt James C, jr, (FC) Ft Bliss, Tex.

To 284th FA Bn, Ft Campbell, Ky
 From Ft Sill, Okla:
 Patterson, 2d Lt W J Wood, 2d Lt Geo W

Silleck, 2d Lt Don U

—Continued on next page

MUTUAL INVESTMENT FUNDS

Quotations as of Tuesday, 25 June 1957

	BID	ASKED
Affiliated Fund	\$ 5.88	\$ 6.37
Atomic Development	16.69	18.21
Broad Fund	16.06	17.36
Broad Street Invest.	21.82	23.59
Bullock Fund	13.15	14.41
Canada General 1954	14.14	15.29
Canadian Fund	20.45	22.12
Chemical Fund	(8)	(6)
Commonwealth Invest.	9.12	9.91
Dividend Shares	2.75	3.01
Edson & Howard Balanced	22.29	23.73
Edson & Howard Stock	21.50	22.99
Fidelity Fund	14.60	15.78
Fundamental Investors	16.85	18.47
Incorporated Investors	9.50	10.37
Investment Trust of Boston	10.20	11.15
Massachusetts Investors Trust	11.91	12.88
Massachusetts Investors Growth	11.53	12.46
Nation-Wide Balanced	18.62	20.14
National Investors	10.76	11.63
National Securities Dividend	4.19	4.58
National Securities Stock	8.21	8.97
National Securities Growth	6.62	7.23
Pioneer Fund	14.73	16.07
Putnam Fund	12.62	13.72
Television-Electronics Fund	12.44	13.56
Texas Fund	8.61	9.41
Wellington Fund	13.18	14.37
Keystone K-1	8.56	9.34

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OFFICERS OF THE ARMY RESERVE'S 310th Logistical Command, Alexandria, Va., receives a new flag from Representative Leon H. Gavin (R-Pa.), second from left. The flag, previously flown over the U. S. Capitol, was presented in connection with the dedication of a new USAR Training Center in Alexandria. It is received here by Brig. Gen. James T. Roberts, USAR, commander of the 310th. Looking on are Maj. M. H. Manchester (left) and Maj. William G. Gavin (right), son of the Congressman.

Army Orders

From preceding page—

To 9th Inf Div, Ft Carson, Colo

From Ft Sill, Okla:
Garthe, 2d Lt R C Riker, 2d Lt R R
Lewis, 2d Lt James T

To USA Arty and GM Cen, Ft Sill, Okla
Hayes, Capt Joseph W, Jr, Martin, Tenn.
Thompson, Col Maxwell H, Los Angeles, Cal.

To Hq US CONARC (7100) Ft Monroe, Va
Freeman, Maj William E, Ft Sill, Okla.
Whitehouse, Lt Col Hayden B, Wash, DC.

To 4th Armd Div, Ft Hood, Tex
Mitchell, Capt Terry C, Lexington, Va.
Delorimier, Capt Charles T, Columbia, Mo.
Berkbile, Capt Robert R, St Joseph, Mo.

To Off Stu Co (stu) (3461) USA Avn Sch,
Ft Rucker, Ala

Conner, 1st Lt Richard F, Ft Hood, Tex.
Williams, 1st Lt Jody L, Ft Leonard Wood,
Mo.
Johnson, 2d Lt Harold L, Ft Polk, La.
Kirchner, 2d Lt Jacob F, 3d, Ft Sill, Okla.
Bergeson, 1st Lt Del Reed, Ft Lewis, Wash.
Royse, 1st Lt Michael F, Ft Sill, Okla.
Ferraro, 1st Lt Anthony, Ft Polk, La.
McLay, 1st Lt Orville K, Ft Sill, Okla.
Raidmets, 2d Lt Endel, Ft Sill, Okla.
Walker, 2d Lt Milton H, Ft Sill, Okla.
De Shields, 1st Lt Charles E, Ft Bragg, NC.

To Germany

McGuire, Lt Col Joseph R, Ft Benning, Ga.
Andrews, Capt William H, Ft Hancock, NJ.
Baumeister, Capt Fred S, Ft MacArthur,
Calif.
Bowyer, Capt Charles S, Jr, Army Cml Cen,
Md.
Olsen, Capt Odin T, Ft Wayne, Mich.
Sidebottom, Capt Wilford L, Ft Lawton,
Wash.
Sivess, Capt Harry O, Jr, Arlington Heights,
Ill.
Tietke, Capt Ernest A, Cp Kilmer, NJ.
Drake, 1st Lt Samuel P, Jr, Selfridge AFB,
Mich.
Hennessey, 1st Lt Bruce L, Norfolk, Va.
McDaniel, 1st Lt Cecil D, Jr, Norfolk, Va.
Seeley, 1st Lt Stuart G, Ft Lawton, Wash.
Shunk, 1st Lt William A, Andrews AFB,
Wash.
Spang, 1st Lt Alan W, Ft Tilden, NY.
Steele, 1st Lt Joseph I, Jr, Dearborn, Mich.
Jaffee, 1st Lt Sheldon A, Ft Sill, Okla.
Smith, 1st Lt Hubert L, Ft Rucker, Ala.
Padula, 2d Lt Randolph A, Ft Sill, Okla.
Post, Maj George R, Ft Sill, Okla.

From Ft Bliss, Tex:

Elliott, 1st Lt R H Doering, 2d Lt P E
Jr Eaton, 2d Lt T
Spears, 1st Lt G, Jr Soucy, 1st Lt M L
Stockelman, 1st Lt Coffman, 2d Lt J D,
J C
Stoudemire, 1st Lt Howe, 2d Lt K P
H B King, 2d Lt C T
Vilas, 1st Lt J R Merchant, 2d Lt G D
Waslewski, 1st Lt R F Myers, 2d Lt R B
Waters, 1st Lt D G Selis, 2d Lt J L
Day, 2d Lt B L

CORPS OF ENGINEERS—

Maj Gen E C Itchner, C of E
Cameron, Col Harry F, Jr, Ft Leonard Wood,
Mo, to OCOFENGERS USA (8562) Wash,
DC.
Helberg, Col Elvin R, West Point, NY, to
Stu Det USMA (8660) West Point, w/sta
Technological Univ, Delft, The Netherlands.
Zacherle, Lt Col Alarich L E, Seattle, Wash,
to Stu Det USA Lang Sch, Presidio of
Monterey, Calif.
Leckie, Lt Col William E, Ft Knox, Ky, to
OC USAR ROTC (8536) Wash, DC.
Buzard, Maj John H, Ft Belvoir, Va, to USA
Adv Gp Mich (USAR) (5106) Ft Wayne,
Detroit, Mich.
Matthews, 1st Lt William D, Ft Rucker, Ala,
to 3d Inf Div, Ft Benning, Ga.
Andrews, 1st Lt Warren L, Jr, Ft Leonard

Wood, Mo, to 3d Inf Div, Ft Benning,
Ga.

To Officer Stu Co (Stu) (3461) USA Avn Sch,
Ft Rucker, Ala

From Ft Belvoir, Va:
McCool, 2d Lt M A Glazier, 2d Lt R L
Buell, 2d Lt B J Taht, 2d Lt W D
Ehmann, 2d Lt R R Machey, 2d Lt Bobby

To Korea

Cannon, Lt Col C Craig, Jacksonville, Fla.
Reeves, Lt Col Paul W, w/sta, Idaho Falls,
Idaho.
Appling, Maj Robert K, Ft Ord, Calif.

To France

Hall, Lt Col Austin J, Jr, Wash, DC.
Wright, Maj Willard O, St. Louis, Mo.
Williams, 2d Lt Marvin M, Ft Belvoir, Va.

To Germany

Carswell, Maj William D, Ft Sheridan, Ill.
Tyner, Capt Robert R, Ft Rucker, Ala.
Hunt, Capt Richard L, Vicksburg, Miss.

SIGNAL CORPS—

Maj Gen James D O'Connell, C Sig O
Kale, Col Lester W, Wash, DC, to USA Elm
JAMMAT, Ankara, Turkey.
Bohr, Maj John F, Ft Devens, Mass, to 31st
US ASA Det, Governors Is, NY.
Sutorik, Capt George J, Wash, DC, to Stu
Det Second USA, Ft Meade, Md, w/sta
US Marine Corps Sch, Quantico, Va.
Lewey, Capt Merle C, Ft Ritchie, Md, to Stu
Det Hq Sixth USA, Presidio of San Francisco,
w/sta Univ of Southern Calif, Los
Angeles, Calif.
Myers, Capt Robert W, Ft Monmouth, NJ,
to Okinawa.

Galney, Capt David F, Arlington, Va, to Hq
US ASA Far East, Tokyo, Japan.
Casselberry, Capt Jack L, Ft Gordon, Ga, to
USA Elm MAAG, Taiwan (8678) Taipei,
Taiwan.

Wyatt, 1st Lt James E, Ft Huachuca, Ariz,
to 50th Abn Sig Bn, Ft Bragg, NC.
Welchmiller, 1st Lt William W, Philadelphia,
to Stu Det Hq Fifth USA, Chicago, w/sta
Univ of Mich, Ann Arbor, Mich.
Doiron, 1st Lt Nicholas H, Ft Rucker, Ala,
to 2d Inf Div, Ft Lewis, Wash.
Kirkpatrick, 1st Lt Andrew C, Ft Rucker,
Ala, to 205th Sig Co, Ft Polk, La.
Trayford, 1st Lt Charles, Ft Sam Houston,
Tex, to Germany.

Hall, 2d Lt James M, Jr, (MI) Ft Holabird,
Md, to 589th MI Plat, Ft Campbell, Ky.
Goodman, 2d Lt Robert A, Ft Rucker, Ala,
to 53d Sig Bn, Ft Hood, Tex.

To Off Stu Co (Stu) USA Avn Sch,
Ft Rucker, Ala

Harts, 2d Lt William G, Ft Monmouth, NJ.
Hatch, 2d Lt Vernon L, Ft Bragg, NC.
Paradiso, 2d Lt Richard A, Ft Huachuca,
Ariz.

Semonick, 2d Lt Robert, Ft Carson, Colo.
White, 2d Lt Harry S, Jr, Decatur, Ill.
Falbo, 1st Lt John J, Ft Gordon, Ga.
Mallory, 1st Lt Morton C, Ft Monmouth,
NJ.

Baun, 2d Lt Richard A, Long Island City,
NY.

Harris, 2d Lt Robert W, Albuquerque, NMex.
Hornor, 2d Lt Herman L, Wash, DC.
Barton, 2d Lt Judson W, Ft Gordon, Ga.
Borer, 2d Lt Robert S, Ft Gordon, Ga.

Keith, 2d Lt Donald M, Ft Monmouth, NJ.
Roberts, 2d Lt Donald A, Ft Monmouth, NJ.
To USA Elet Pr Gr (9470) Ft Huachuca, Ariz

Young, 1st Lt Raymond H, Ft Ord, Calif.
McCullough, Maj Lory L, Ft Rucker, Ala.
Purcell, 1st Lt Robert W, Ft Rucker, Ala.

Anderson, 1st Lt Karl R, Jr, Ft Rucker, Ala.
To Stu Det Hq Sixth USA Presidio of San
Francisco, w/sta Stanford Univ, Palo Alto,
Calif

Barthle, Lt Col Robert C, Huntsville, Ala.
Enslow, 1st Lt Philip H, Ft Meade, Md.

To USA Elm US Mil Tng Mis to Saudi Arabia
(MAP) (8688) Riyadh, Saudi Arabia

Phinney, Maj Jack T, Ft Monmouth, NJ.
Davies, Capt Robert R, Ft Knox, Ky.
Savage, Capt Charles R, Ft Huachuca, Ariz.

ADJUTANT GENERAL'S CORPS—

Maj Gen Herbert W Jones, TAG

Gregory, Maj William A, Ft Harrison, Ind,
to USA Elm Hq Pacific Comd (7238) Pearl
Harbor, TH.

Smoak, Capt Alva G, Toledo, Ohio, to USA
Elm MAAG, Taiwan (8678) Taipei, Taiwan.

JUDGE ADVOCATE GENERAL'S CORPS—

Maj Gen George W Hickman, Jr, TJAG

Johnson, Col Edward T, Wash, DC, to TJAG
Sch USA (8585) Univ of Va, Charlottesville,
Va.

Hardage, Capt John M, Ft Sam Houston, Tex,
to USA Gar (5021) Ft Riley, Kans.

Barrett, Capt George B, Jr, Governors Is, NY,
to USMA (8660) West Point, NY.

Haiken, 1st Lt Marvin B, Ft Story, Va, to
501st Admin Co 1st Armd Div, Ft Polk, La.
O'Donnell, 1st Lt Matthew B, Jr, Ft Polk, La,
to OTJAG USA (8540) Wash, DC.

QUARTERMASTER CORPS—

Maj Gen Andrew T McNamara, QMG

Langbein, Lt Col Leland H, Natick, Mass, to
USA Instr Gp, ROTC, Pa (2332-6) Indian-
town Gap Mil Res, Annville, Pa, w/sta Univ
of Pittsburgh, Pittsburgh, Pa.

Shaw, Maj Minard P, Alexandria, Va, to US
ASA Operational Cen (7206) Ft Huachuca,
Ariz.

Miles, Capt Edgar J, Cp Wolters, Tex, to Hq
US ASA Europe (8620) Frankfurt, Germany.
Hrncir, 1st Lt Oran T, Ft Hood, Tex, to 284th
FA Bn, Ft Campbell, Ky.

Hosford, 1st Lt Jerry N, Ft Lee, Va, to Stu
Det Army Lang Sch, Presidio of Monterey,
Calif.

MacQuattle, 2d Lt William D, Jr, Ft Lee, Va,
to Hq US ASA Pacific (8624) Ft Shafter,
TH.

Bruess, 2d Lt James W, Ft Leavenworth,
Kans, to Hq US ASA Alaska (8614) Ft Rich-
ardson.

Johnson, 2d Lt Frank L, Jr, Ft Leonard
Wood, Mo, to Hq US ASA Europe (8620)
Frankfurt, Germany.

Arahood, 2d Lt Dale A, Ft Lee, Va, to US-
ARAL.

Cheney, 2d Lt Dupont K, Ft Lee, Va, to
Korea.

To Germany

Hanger, Lt Col John W, Wash, DC.
Wells, Maj John A, Ft Slocum, NY.
Haut, Maj Allen A, Monterey, Calif.
Arena, Maj Arthur A, Lathrop, Calif.
Metzger, Capt Ernest L, Philadelphia, Pa.
Salem, 2d Lt Robert F, Ft Lee, Va.
Perry, Lt Col Theodore D, Wash, DC.
Murray, Maj Nathan A, Ft Lee, Va.
Tegge, Capt William B, Wash, DC.
Campbell, Capt Rollen F, Ft Gordon, Ga.
Unger, Capt Raymond B, Ft Lee, Va.
Morris, Capt John W, Columbus, Ohio.
Iafrafi, Capt John G, Ft Lee, Va.

To France

Bourgeois, Maj Lawrence J, Ft Banks, Mass.
Friend, 1st Lt Donald F, University, Ala.
Cetrulo, Capt Peter X, Memphis, Tenn.
Kattner, Lt Col Stanley J, Chicago, Ill.
Zarnick, 1st Lt Dale L, Schenectady, NY.
Sacks, Maj Jerome J, Ft Lee, Va.

FINANCE CORPS—

Maj Gen Harry W Crandall, C of F

Scanlon, 1st Lt Andrew J, Univ of Newhamp-
shire, Durham, NH, to France.

MEDICAL CORPS—

Maj Gen Silas B Hays, SG

Medical Corps

Snyder, Lt Col Harold H, Ft Sill, Okla, to AH
(3441-2) Ft Gordon, Ga.

Henderson, Lt Col Harry M, Ft Leavenworth,
Kans, to Stu Det Hq Second USA, Ft Meade,
w/sta Univ of Pa, the Grad Sch of Medicine,
Philadelphia.

Latterl, Maj Joseph A, St Louis, Mo, to Let-
terman AH (9956) Presidio of San Francisco.

Starkman, Capt Leon, Ft Leavenworth, Kans,
to USA Recruiting Main Sta (5115) Detroit,
Mich.

To AH (7071) Ft Belvoir, Va

Dugan, 1st Lt Paul J, El Paso, Tex.

Juden, 1st Lt Alexander G, Jr, El Paso, Tex.

To Stu Det AMSS BAMC, Ft Sam Houston,
Tex

Gouchoe, Capt Bernard A, Ft Leonard Wood,
Mo.

Singer, Capt Lawrence R, Cp Wolters, Tex.

Dental Corps—

Maj Gen James M Epperly, Chief

Blanchard, Lt Col George, Ft Campbell, Ky,
to 4th Armd Div, Ft Hood, Tex.

Greedman, Lt Col George, Ft Sheridan, Ill,
to AH (3441) Ft Gordon, Ga.

Fischer, Maj Willard G, Chicago, to Stu Det
Hq Fifth USA, Chicago, w/sta College of
Dentistry, Univ of Iowa, Iowa City.

Schneider, Maj Fred, Ft Sheridan, Ill, to Stu
Det Hq Sixth USA, Presidio of San Francisco,
w/sta Sch of Dentistry, Univ of Southern
Calif, Los Angeles, Calif.

Ritchie, Capt William C, Ft Gordon, Ga, to
25th Inf Div, USARPAC, Schofield Bks, TH.

Medical Service Corps—

Col Bernard Ansel, Chief

Quarton, Col Reginald R, Wash, DC, to
Sharpe Gen Dep (9190) Lathrop, Calif.

Belanger, Col Gerard A, Louisville, Ky, to
France.

Montague, Lt Col Ernest K, Wash, DC, to
USA Med Research Lab (9929) Ft Knox, Ky.

Wilkin, Lt Col Wendell R, San Francisco, to
OTSG (8560) Wash, DC.

Gruver, Lt Col George A, Birmingham, Ala, to
AH (3431) Ft Jackson, SC.

Murphy, Lt Col Waymon T, Ft Hood, Tex, to
67th Med Gp BAMC, Ft Sam Houston, Tex.

Coats, Lt Col James G, Wash, DC, to Overseas
Supply Agency (9230) Ft Mason, Calif.

Hill, Capt William G, Wash, DC, to Stu Det
Hq Sixth USA, Presidio of San Francisco,
w/sta at the Univ of Southern Calif Sch of
Social Work, Univ Park, Los Angeles.

MacLennan, Capt Robert J, Ft Benning, Ga,
to BAMC (9940) Ft Sam Houston, Tex.

Jentsch, 1st Lt David P, Denver, to Valley
Forge AH (9963) Phoenixville, Pa.

Hughes, 1st Lt Donald C, Ft Devens, Mass, to
AH (5021) Ft Riley, Kans.

Bartleson, 2d Lt John A, 2d, Ft Benning, Ga,
to AH (2164-1) Ft Eustis, Va.

Speicher, 2d Lt William F, Ft Lewis, Wash,
to AH (6944) Ft Huachuca, Ariz.

Ward, 2d Lt Gary R, Ft Lewis, Wash, to AH
(6019) Cp Irwin, Calif.

From Ft Sam Houston, Tex, to Station
Indicated

Johnson, Maj Andrew J, Mil Pers Procure-
ment Gp (5115) Chicago, w/sta Recruiting
Main Sta, Minneapolis.

Bennett, Lt Col Frederick O, Ft Sam Houston,
Tex, to Fitzsimons AH (9933) Denver,
Colo.

To Germany

Brown, 2d Lt George L, Ft Gordon, Ga.

Bahren, 1st Lt Robert E, Jr, Ft Belvoir, Va.

Veterinary Corps—

Brig Gen Elmer W Young, Chief

Carter, Col Philip R, Wash, DC, to AH (5025)
Ft Leavenworth, Kans.

Zacherle, Lt Col George H, Columbus, Ohio,
to Med Surg Sec Hq USA Armor Cen (62-
2128-00) Ft Knox, Ky.

Marsh, Lt Col Edward T, Ft Leavenworth,
Kans, to Fifth USA Vet Food Insp Svc
Chicago, w/sta Ft Snelling, Minn.

Allison, Lt Col Aaron F, Brooklyn, NY, to
AH (2124-01) Ft Monroe, Va.

Wainwright, Lt Col Charles R, Ft Lee, Va,
to USA Garrison, Ft Ord, Calif.

Ostern, Lt Col Wilson M, Ft Monroe, Va,
to AH (2154-01) Ft Lee, Va.

Hammer, Maj Walter D, Brooklyn, NY, to
Columbus Gen Depot USA (9150) Colum-
bus, Ohio.

Miller, Maj Walter W, Alameda, Calif, to
Ft Mayson, Calif.

Barnes, Capt Jack M, Kansas City, Mo, to
Fifth USA Vet Food Insp Svc, Chicago,
w/sta Det 8, South St Joseph, Mo.

Clampett, 1st Lt Edwin G, Ft Gordon, Ga, to
Hq Btry USA AAA and Tk Cen (3444) Ft
Stewart, Ga, w/sta Jacksonville Substation,
Jacksonville, Fla.

McKay, 1st Lt Nevin H, Jr, Kansas City,
Mo, to Fifth USA Vet Food Insp Svc, Chi-
cago, w/sta Det 5, Wichita, Kans.

Fischer, 1st Lt George F, Ft Sam Houston,
Tex, to Sta Med (4008) Cp Wolters, Tex.

Army Medical Specialist Corps—

Col Harriet S Lee, Chief

Stange, Maj Carol, Warm Springs, Ga, to
AH (3441) Ft Gordon, Ga.

Davis, 1st Lt Barbara A, Ft Bliss, Tex, to
AH (1170) Ft Devens, Mass.

Trayers, 1st Lt Priscilla A, Wash, DC, to
France.

Army Nurse Corps—

Col Inez Haynes, Chief

Cole, Maj Beryl A, Ft Knox, Ky, to 24th
Evac Hosp BAMCE, Ft Sam Houston, Tex.

Skadorva, Maj Estelle M, Ft Sam Houston,
Tex.

Army Opportunities

OFFICER RECALLS—Circular 601-7
tells how a limited number of Reserve
officers in critical technical specialist
fields will be recalled to active duty on
a voluntary basis during FY '58; also
some officers who are not "critical tech-
nical specialists," such as lieutenants of
Armor, Artillery and Infantry.

NURSE COURSES—Regular and Re-
serve Nurses with at least one year's
active duty on their current tour and
who are under 35 are eligible for pro-
fessional courses in Anesthesiology, Neuro-
psychiatric, Obstetrical and Operating
Room Nursing. Details are told in Cir-
cular 621-6.

OFFICER LANGUAGE TRAINING—
Circular 621-8 announces the schedule
and quotas for fiscal year '58 language
training at the Presidio of Monterey,
Calif., with courses running alphabeti-
cally from Arabic to Vietnamese.

CHIEF WARRANT OFFICERS—

Atherton, W-2 Ward S, Ft Myer, Va, to 45th MP Det, Ft Lee, Va, w/sta Atlanta Gen Dep (9140) Forest Lake, Ga.
Townsend, W-2 Allan C, Ft Bragg, NC, to Det 2 QM RD Fld Evaluation Agency (9111) Ft Lee, Va.
Greening, W-2 James A, Ft Leonard Wood, Mo, to Army Elm (8696) US Naval Sch of Music, US Naval Receiving Sta, Wash, DC.
Crawford, W-4 Leo E, Bismarck, N Dak, to Stu Det USA AAA and GM Sch, Ft Bliss, Tex.
Fuller, W-2 Charles E, Albuquerque, NMex, to USAREUR.
Franke, W-2 William M, Ft Sheridan, Ill, to The PMG Cen USA, Ft Gordon, Ga.
Kennedy, W-2 Edward J, Carswell AFB, Tex, to Stu Det USA OGMS Huntsville, Ala.
Bell, W-2 Joseph A, Wash, DC, to 75th Army Band, Ft Belvoir, Va.
Hockenberry, W-4 Harold L, Ft Knox, Ky, to Stu Det USA AAA and GM Sch, Ft Bliss, Tex.
Tacker, W-2 Huston J, Ft Gordon, Ga, to 82d Abn Div, Ft Bragg, NC.
Dick, W-2 Galen L, Ft Dix, NJ, to Stu Det USA AAA and GM Sch, Ft Bliss, Tex.
Markin, W-4 Orel E, Forest Park, Ga, to Hq USA Southern European TF, Verona, Italy.

To Korea

Peeler, W-4 Allen L, Boston.
Gardner, W-3 Elmer W, Ft Knox, Ky.
Monk, W-2 Wallace E, Los Angeles.
Quave, W-4 Joseph, Ft Benning, Ga.
Bush, W-2 Angus M, Ft Benning, Ga.
Holland, W-2 Charles A, Ft Gordon, Ga.
Page, W-2 Otis A, Ft Hood, Tex.

To Germany

McCready, W-3 Norman J, Ft Bragg, NC.
Nix, W-2 Henry B, Ft Bliss, Tex.
Borcan, W-3 Charles H, Ft Dix, NJ.
Buckley, W-2 Anthony, Ft Devens, Mass.
Bestick, W-3 James E, Ft Story, Va.
Warren, W-2 George D, Woodbridge, Va.

WARRANT OFFICERS—

Pung, Frank C, Jr, Cp Hanford, Wash, to USAFFE (Okinawa).
Spence, Horace B, Ft Carson, Colo, to Japan.

RETIRED—

McNamee, Col William L, Arty, fr Cambridge, Mass.
Turner, Col Robert G, Inf, fr Richmond, Va.

—Continued on next page

Tex, to AH (7071) Ft Belvoir, Va.
Fisher, Maj Ruth A, Ft Meade, Md, to Tripler AH, USARPAC, Oahu, TH.
Coletti, Maj Christine, Ft Sam Houston, Tex, to AH (4050) Ft Sill, Okla.
Berry, Capt Alice E, Ft Rucker, Ala, to AH (6944) Ft Hauchuca, Ariz.
Ginsberg, Capt Miriam K, Ft Belvoir, Va, to Walter Reed AMC (9901) Wash, DC.
Guffy, Capt Nellie E, Denver, to AH (5016) Ft Crowder, Mo.
Kostenbauder, Capt Marion G, Phoenixville, Pa, to 15th Fld Hosp, Ft Bragg, NC.
Martin, Capt Lourene F, Ft Jay, NY, to AH (5017) Ft Leonard Wood, Mo.
Guseman, Capt Elsie R, Ft Leonard Wood, Mo, to WRAMC (9901) Wash, DC.
Magdalenski, 2d Lt Fred F, Ft Ord, Calif, to Korea.

To Germany

Smith, Maj Maude M, Wash, DC.
Voigt, 2d Lt Nona M, Ft Bliss, Tex.
Gallivan, 1st Lt Catherine A, Ft Chaffee, Ark.
Gately, 1st Lt Miriam A, Ft Jay, NY.

ORDNANCE CORPS—

Lt Gen E L Cummings, C of Ord

Goodwin, Col Francis B, Ft Bragg, NC, to France.
Walkart, Lt Col William H, Wash, DC, to USA Elm JUSMAG, Thailand (8658) Bangkok, Thailand.
Skinner, Capt Charles A, Romulus, NY, to 832d Ord Bn, Ft Bliss, Tex.
Behnke, Capt Donald A, Ft Hood, Tex, to USA Elm US Tng Mis to Saudi Arabia (MAP) (8688) Riyadh, Saudi, Arabia.
Willard, Capt Gordon W, Ordnance, Oreg, to 704th Ord Bn, Ft Lewis, Wash.
Sevey, Capt William B, Detroit, Mich, to Chrysler Jet Engine Plant, Warren, Mich.
Lehnus, Capt Elwood C, Philadelphia, to USA Ord Weapons Comd (9306) Rock Island, Ill.
Walsh, Capt James J, Lima, Ohio, to USA Gr White Sands Pr Gr (9393) Las Cruces, NMex, w/sta Hq Fld Comd AFSWP USA Elm Sandia Base, Albuquerque, NMex.
Edmisten, 1st Lt Edward E, Albuquerque, NMex, to 830th Ord Co, USA Ballistic Msl Agency, Huntsville, Ala.
Ryan, 1st Lt Dennis W, Jr, Las Cruces, NMex, to 495th AAA Msl Bn, Ft Bliss, Tex.
Hammond, 2d Lt Rudolph E, Ft Polk, La, to Off Stu Co USA Intel Cen, Ft Holabird, Md.

From Aberdeen Pr Gr, Md, to Station Indicated

Allen, 1st Lt Stanley C, USA Gar White Sands Pr Gr (9393) Las Cruces NMex.

w/sta Hq Fld Comd AFSWP, USA Elm, Sandia Base, Albuquerque, NMex.
Colson, 1st Lt Alfred B, Jr, Albuquerque, NMex.
Windal, 2d Lt Clarence K, Toledo, Ohio.
Stobierski, 2d Lt Daniel F, 2d Bn Cmbt Team, Keflavik, Iceland.
Falentine, 2d Lt James H, USA Ord Arsenal Redstone (9330) Huntsville, Ala.
Briggs, 2d Lt Richard S, USA Gar (3400) Ft Campbell, Ky.

To Germany

From Aberdeen Pr Gr, Md:
Hopkins, 2d Lt R H Kyle, 2d Lt R K

CHEMICAL CORPS—

Maj Gen William M Creasy, C Cml O

Novak, Capt Andrew J, Ft Detrick, Md, to USA Cml Warfare Lab (9710) Army Cml Cen, Md.
South, 1st Lt Chester M, Ft Benning, Ga, to USA Cml Arsenal Pine Bluff Arsenal (9712) Pine Bluff, Ark.

CHAPLAINS CORPS—

Maj Gen Patrick J Ryan, C of C

Finnegan, Maj Arthur M, Ft Leonard Wood, Mo, to Germany.
Froeschner, 1st Lt William D, Ft Bliss, Tex, to USARCAB (Panama).

TRANSPORTATION CORPS—

Maj Gen Paul F Yount, C of T

Church, Lt Col George B, Tampa, Fla, to USA Trans Terminal Comd Gulf (9220) New Orleans, La.
Morgan, Lt Col Richard H, Lewisburg, Pa, to USA Trans Terminal Comd (NEAC) (7278) Pepperell AFB, Newfoundland.
Wittler, Lt Col Jacob F, St Louis, Mo, to Hq Western Tfc Region (9275) Mil Mgt Tfc Agency USA OART, Oakland, Calif.
Tyrrell, Lt Col Gordon F, Jr, Kearny, NJ, to USA Elm Task Gp 7.2 JTF7 (7126) Eniwetok Atoll, Marshall Islands.
Johnson, Lt Col Graydon W, Jr, Keflavik, Iceland, to USA Trans Terminal Comd Gulf (9220) New Orleans, La.
Wilson, Lt Col William H, Ft Myer, Va, to OCOFT USA (8564) Wash, DC.
Mader, Maj William P, Miami, Fla, to USA Trans Research and Engr Comd (9203) Ft Eustis, Va.
Shannon, Capt William J, Wrightstown, NJ, to Hq US ASA Europe (8620) Frankfurt, Germany.
Petersen, Capt Kermit, Ft Belvoir, Va, to Stu Det Army Lang Sch, Presidio of Monterey, Calif.

Portante, 1st Lt Gerald F, Goosebay, Labrador, to New York, NY.
Moore, 1st Lt Jesse W, Seattle, Wash, to 4th Inf Div, Ft Lewis, Wash.
Stephens, 1st Lt Leroy, New Orleans, La, to France.

To 54th Trans Co, Ft Sill, Okla

From Ft Eustis, Va:
Grigg, 2d Lt Arlie M.
McWilliams, 1st Lt Ronald E.

To 36th Trans Co, Ft Sill, Okla

Clopton, Capt William H, Ft Rucker, Ala.
Alton, 1st Lt William S, Ft Eustis, Va.

To USA Trans Tng Comd (9250) Ft Eustis, Va

Bray, 1st Lt Gaither C, Ft Bragg, NC.
Parrish, 2d Lt Glenwood N, Ft Stewart, Ga.
Radford, 2d Lt James T, Ft Benning, Ga.
Perry, 1st Lt Archie, Pittsburgh, Pa.
Senay, 1st Lt David C, Upper Marlboro, Md.
Houston, 1st Lt Charles, Jr, Ft Knox, Ky.
Labinski, 1st Lt Raymond J, Jr, Ft Knox, Ky.
Akin, 1st Lt Havis D, Ft Benning, Ga.
Hoffman, 1st Lt Glenn F, Ft Benning, Ga.
Schelhorn, 1st Lt Carlton L, Ft Riley, Kans.
Kiser, 2d Lt Billy J, Ft Riley, Kans.
Wallace, 2d Lt James W, Ft Riley, Kans.
Mitchell, 1st Lt James L, Jr, Ft Lewis, Wash.
Porch, 1st Lt Henry H, Jr, Ft Hood, Tex.

To Germany

Kerwin, 1st Lt Robert A, Ft Jay, NY.
Koele, Capt Daniel, Ft Hood, Tex.
Stephenson, 1st Lt Lamar V, New Orleans, La.

MILITARY POLICE CORPS—

Maj Gen William H Maglin, PMG

To Germany

Bieri, Lt Col George A, Ft Benning, Ga.
Jaeger, Capt Marvin F, Ft Gordon, Ga.
Bloomfield, Capt John W, Ft Gordon, Ga.
Milstead, Capt Jack F, Dallas, Tex.
Lightcap, Capt William C, sr, Ft McPherson, Ga.
Snyder, Capt Hollis F, Ft Meade, Md.
Stanish, Capt Theodore J, Chicago, Ill.
Hancock, Maj Joseph M, Huntsville, Ala.
Oliver, Capt Louis U, Ft Stewart, Ga.
Dollard, Capt Mauree E, Ft Riley, Kans.
Shevaller, Maj Watson R, Ft Bliss, Tex.
Faul, Capt Lloyd J, Ft Meade, Md.
Dolney, Capt Benedict P, Ft Gordon, Ga.

WOMEN'S ARMY CORPS—

Col Mary L Milligan, Director

Galloway, Lt Col Irene O, Ft Monroe, Va, to US CONARC Liaison Office, Wash, DC.
Roy, Maj Helen M, Governors Is, NY, to USA Elm OSD (8475) Wash, DC.

Army Colonels Get New Assignments

Eighth Army Provost

Col. Thomas F. Lancer, USA, Provost Marshal of Fifth U. S. Army, has left Chicago for the Far East. He will be the Provost Marshal of the Eighth U. S. Army. His successor is Col. R. E. Sullivan, USA, who has been a member of the Regular Army Integration Board.

Col. Helmstrom To Bragg

Col. Helmer A. Helmstrom, USA, is leaving France for Ft. Bragg, N. C. and next month will assume his new duties as Corps Engineer of the XVIIIth Airborne Corps. He has been commanding officer of Engineer Depot at Toul, France, the second largest of its type in Europe since April 1955.

Seventh Army G-1 Switch

Col. Walter F. Ellis, USA, has been named G-1 for the Seventh Army in Stuttgart, Germany.
He replaces Col. John T. Corley, USA, who will join the Staff and Faculty of the Infantry School at Ft. Benning, Ga.

Col. McDowell Weapons Chief

Col. Samuel T. McDowell, USA, has been Director of the U. S. Army Infantry School's Weapons Department at Ft. Benning, Ga. He succeeds Col. William E. Harrison, of USA, who will go to the Republic of Vietnam.



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Army Orders

From preceding page—

Segarra, Col Antullo, (Inf) IG; fr Ft McPherson, Ga.
Holst, Col John J, Arty; fr Ft Totten, NY.
Marberry, Maj Joe D, Sig C, pd (80%) fr MHD Letterman AH, Presidio of San Francisco.

Argue, Maj Alexander T, Jr, Ord C, pd (80%) fr MHD USAH, Ft Jay, NY.

Retired Upon Application

Seaman, Col James B, MC; fr Oakland, Calif.
Hlalt, Col Wright, CE; fr Ft Monroe, Va.
Ross, Col Winfred A, Sig C; fr Wash, DC.
Hallock, Col Houghton R, (CE) GS; fr Oakland, Calif.

Hercz, Col Arthur R, (Arty) GS; fr Ft Leonard Wood, Mo.

Pankosky, Lt Col John J, Inf; fr Ft Devens, Mass.

Simms, Lt Col George C, Ord C; fr Benicia, Calif.

Aguglia, Lt Col John R, Arty; fr Ft Polk, La.

Foster, Lt Col Robert A, Ord C; fr Ft Lewis, Wash.

Hull, Lt Col Charles A, Ord C; fr Ft Myer, Va.

Casio, Lt Col Carmelo, Armor; fr Oakland, Calif.

Prime, Lt Col Nicholas P, Arty; ret as Col; fr Cleveland, Ohio.

Maykovich, Lt Col Albert A, Arty; fr Wash, DC.

Brose, Lt Col Carl E, Inf; fr Ft Sam Houston, Tex.

Cooley, Lt Col Arthur E, CE.

Soskin, Lt Col Hershel A, FC; fr MHD Letterman AH, Presidio of San Francisco.

Walkup, Lt Col William E, MPC; ret as Col; fr Ft MacArthur, Calif.

Crumb, Lt Col Francis P, CE; fr Ft Belvoir, Va.

Lipsey, Lt Col Raymond E, DC; fr USAFFE, Eighth Army.

Harbin, Maj Thomas R, Inf; fr Ft McPherson, Ga.

Palermo, Maj Joseph D, Inf; fr Ft Hamilton, NY.

Dollar, Maj Carmel T, AGC.

Walker, Maj David M, Inf; fr Ft Riley, Kans.

Kennedy, Maj Charles H, QMC; fr Ft Hamilton, NY.

Kietlinski, Maj Leo, Inf; fr MHD Madigan USAH, Tacoma, Wash.

Jasuta, Maj Edward B, CE; ret as Lt Col; fr USAFFE.

Slade, Maj Wordie B, Ord C; fr Aberdeen Pr Gr, Md.

Smith, Maj Jesse R, MPC; fr Ft Hamilton, NY.

Huntington, Maj Robert W, CE; fr Ft Carson, Colo.

Chailan, Maj John A, Arty; fr Ft Dix, NJ.

Wright, Maj Albert J, TC; ret as Lt Col; fr Oakland, Calif.

Milkovitch, Maj John J, MSC.

Lynch, Maj Earl, Inf; fr Ft Riley, Kans.

Nevue, Maj Francis E, Sig C; fr Ft Hamilton, NY.

Henry, Maj Charles H, FC; fr USAREUR.

Lepors, Maj Charles, Arty; fr Jefferson City, Mo.

Williams, Maj Dan, Armor; fr Ft Ord, Calif.

Peterson, Maj Martin W, TC; fr Ft Hamilton, NY.

Campbell, Capt Clyde F, Ord C; ret as Maj; fr MHD Walter Reed USAH, Wash, DC.

Carugno, Capt Frank J, AGC; fr MHD William Beaumont AH, Ft Bliss, Tex.

Raczynski, Capt John F, Inf; fr Jolon, Calif.

Stone, Capt Frank L, MPC; ret as Maj; fr Chicago.

Glogovcan, Capt Rudolf J, Jr, Sig C; ret as Maj; fr Ft Hamilton, NY.

Brockert, Capt Kenneth E, QMC; fr Ft Hamilton, NY.

Saunders, CWO, W-4 Laddie, QMC; fr Ft Sheridan, Ill.

Shackelford, CWO, W-4 William A, AGC; fr Presidio of San Francisco.

Schlegel, CWO, W-4 Charles E, Sig C; fr Ft Hamilton, NY.

Gibson, CWO, W-4 Louis J, QMC; fr Ft Hamilton, NY.

Lavery, CWO, W-4 Arthur T, JAGC; fr Ft Devens, Mass.

Kenney, CWO, W-4 Max W, Ord C; fr Ft Bliss, Tex.

Stank, CWO, W-2 Albert F, QMC; fr USAREUR.

Van Wie, CWO, W-4 George I; fr Ft Benning, Ga.

Wallin, CWO, W-2 Frank A; fr Ft Stewart, Ga.

Crisp, CWO, W-2 Charles F, AGC; fr Oakland, Calif.

Riley, CWO, W-2 Perry N, QMC; adv to Capt on Ret List; fr Ft Polk, La.

Powell, CWO, W-2 Lester, AGC; ret as CWO, W-3; fr Columbus, Ohio, w/sta Dayton, Ohio.

OFFICERS TO TEMP DISAB RET LIST—

Gardner, Col James D, MC, pd (60%) fr MHD USAH, Ft Hood, Tex.

Wyatt, Lt Col William J, MSC, pd (50%)

President On Manpower

President Eisenhower told his weekly news conference 26 June that the Armed Forces are working on plans to streamline units and on ideas for use of new weapons.

If and when these things materialize, he said, there should be savings in terms of manpower numbers.

The Chief Executive stated that at the present time the United States has no plans to reduce its military manpower levels in areas other than Japan.

The decision to withdraw American ground forces from Japan was reached by the President and the Japanese Prime Minister last week.

fr MHD Letterman AH, Presidio of San Francisco.

Wagner, Lt Col Chester T, TC, pd (60%) fr MHD USAH, Ft Eustis, Va.

Lewis, Maj Bruner A, Inf, pd (100%) fr MHD Valley Forge AH, Phoenixville, Pa.

Moore, Maj Virgil S; returned to Temp Disab Ret List; previous orders effecting his removal from Temp Disab Ret List, void.

OFFICERS REMOVED FROM TEMP DISAB RET LIST—

Crance, 2d Lt Ralph R, Arty.

RESIGNED—

Houck, Maj George W, MC.

Altenburger, Capt Jean C, WAC.

Catusco, Capt Mary A, ANC.

Hartman, Capt Bryce O, MSC.

McBryde, Capt Thomas H, JAGC.

Hamel, 1st Lt Robert L, Inf.

Porter, 1st Lt Alice T, WAC.

Legrand, 1st Lt Kenneth L, Arty.

Williams, 1st Lt John H, CE.

Beutler, 1st Lt William W, QMC.

Goebel, 1st Lt Werner W, Inf.

Tignor, 1st Lt Forrest D, Jr, Ord C.

Jacobson, 1st Lt Reginald C, TC.

Hartzell, 1st Lt Edwin Y, Jr, TC.

Ventrella, 1st Lt Rocco F, Jr, Inf.

Miller, 1st Lt Richard J, Inf.

Prescott, 1st Lt Howard, SigC.

PROMOTED IN RA—

To Colonel

W/DR as indicated:

Moseley, Charles H, MC, 13 Jan '57.

W/DR 17 June '57:

Painter, B R, Sig C

Longacre, T M, TC

Troth, Jas R, TC

Glen, Geo R, QMC

Luke, Regis W, FC

Cook, Dave J, QMC

Sabine, John S, Sig C

DeMarr, Jas D, Arty

Coleman, Jas C, Jr, QMC

Hein, Neil F, Inf

Spinnery, R G, Inf

Street, Frank L, Arty

Whitson, R W, QMC

Ranney, D A, Arty

Yost, Harvey J, TC

Allen, Chester F, Inf

Sonnenman, O F, Jr, QMC

To Major

W/DR as indicated:

Wood, Maj Norman E, MSC, 18 June '57.

To Captain

W/DR as indicated:

Combs, Richard L, Ch C, 12 Jun '57.

Adams, Adam E, MSC, 13 June '57.

Blair, Eugene B, MSC, 15 June '57.

W/DR 15 June '57:

Hayes, Robt T, Inf

Williams, E S, Arty

Soden, Robt E, CE

Howden, Jas A, Arm

Pruden, J M, 2d, Arty

Gulley, Robt H, Arty

Kelley, J W, FC

Nielsen, Leo W, QMC

Lillibridge, J L, CE

Griswold, F H, Sig C

Doleac, P C, MPC

Rhodes, Nolan C, CE

Laffoon, D McK, Inf

Jewkes, L D, Arty

Maj, Edw S, Arty

Black, Lorne S, Inf

Ruehe, R W, Inf

Stampley, Chas D, Inf

Motiska, P J, Jr, OrdC

Greenberg, R A, Inf

Webb, John V, Inf

Gaurnier, P L, QMC

Larson, D W, Inf

Welty, R G, Jr, Arty

George, R E, MPC

Hulburt, C W, Sig C

Craft, Clayton, FC

Burthett, H D, CE

Oliver, Jas S, MPC

Burkhardt, E W, CE

Wise, Cecil E, CE

Brent, Walter I, Inf

Ash, Ned R, QMC

Mendheim, B J, Arty

Pickarts, J M, Arm

Ensley, Geo H, FC

Brown, Jas L, Inf

Means, Chas R, Inf

Harris, Brady R, Inf

Rondepierre, J R, TC

Kinney, L E, Jr, MPC

Roydsen, B W, Arty

Ward, Jas W, Arty

Yow, Harold D, Inf

Harris, R W, Inf

Vance, Jas W, Arm

Green, W A, Jr, Arty

Lilly, Jas H, Inf

Glover, Wm D, QMC

Million, G W, Arty

Billingsley, J D, QMC

Greer, Jas F, Inf

Potter, R J, Arty

Stevens, W M, CE

Rawlings, H W, Inf

Alexander, J T, MPC

Henley, Ralph G, Arty

Wright, Robt E, Arty

Downes, T W, Jr, Inf

Hodges, Robt C, Arm

Covach, John, Inf

Collins, Jos E, Arty

Gibson, Ross J, TC

Beaumont, R B, Sig C

Cox, Chas P, Inf

Winlock, Wm C, Arty

Beckner, D A, Inf

Johnson, W E, Jr, Inf

Newell, Henry C, FC

Schott, H E, Jr, Inf

Sehorne, J D, Jr, Arty

Anderson, C H, Jr, Inf

Holder, Louis L, Inf

Williams, D J, Ord C

Jensen, R W, Arty

Lewane, L L, Arm

Chegin, Lee J, CE

Arnold, Geo H, CE

Rushing, R O, Sig C

Laube, Thos R, Arty

Simmons, J W, Sig C

Houston, B K, Sig C

Statham, R W, Sig C

Ross, John E, Arty

Santry, John P, TC

Perecko, Paul J, TC

Gross, Melvin G, Arty

Hanlon, Chas W, Inf

Jones, Clinton D, Inf

Fincher, H A, Sig C

Chamberlin, Robt G, Sig C

Whitelaw, L P, Arm

Dreyer, Carl W, Arty

Pullano, A L, Inf

Keller, Morris J, Arty

Roble, Frank D, Inf

Pierce, Jas M, QMC

Woodrow, R, Sig C

Sleewart, J R, Ord C

Jolley, Jas A, CE

Comstock, K G, CE

Hansen, M W, Inf

Berner, Lyle C, Arty

Walsh, Jas J, Ord C

Wilson, Louis, TC

Astarita, Orazio J, CE

Cary, Richard L, Inf

Severin, Roy R, Inf

Ross, Harry R, QMC

Lemke, M M, CE

Perricelli, V J, Jr, CE

Romine, A L, Ord C

Lively, Chas H, FC

Gormley, D J, Jr, Inf

Belford, Robt E, Arty

Leighty, R McD, CE

Effertz, Edw H, Arty

Nicholson, R N, Sig C

Stroman, Saml D, Inf

Day, H C, Jr, Arty

Weber, Warren J, TC

Marsh, Jack R, Ord C

Wanek, Robt F, TC

Williams, F L, Arty

Milbee, Paul G, Arty

Miller, Jas I, Arty

Tomlinson, H P, Arty

Powers, Robt A, Arm

Buchanan, Wm J, Inf

Walker, L G, Ord C

Berenbaum, Esal, Inf

Modisett, C B, Sig C

Stahl, K L, Cml C

Warren, John W, Arm

Levitt, Robt J, Arm

Correntino, L J, QMC

Pohler, N G, QMC

White, Wm E, Inf

Martin, Elmer C, CE

Pachl, M F, Jr, Ord C

Turley, W D, W, Arty

Carrejo, Joe T, Arty

Johnson, E L, Arty

Hazen, F K, Jr, QMC

Odenal, Billy L, Inf

Hoppe, Robt B, QMC

Metzger, E H, Jr, Arty

Owen, Merrill R, TC

W/DR as indicated:

Cose, LeRoy E, SigC, 12 Jun '57.

W/DR 14 June '57:

Chant, R J, QMC

Craig, M F, Inf

W/DR 15 June '57:

Laverty, W B, TC

Davis, V K, CE

Dunley, Jas E, Inf

Isley, Geo H, Jr, Arm

Wade, David E, Inf

Scamehorn, R D, QMC

Lassetter, S H, Arty

Artillery Board Tests New Equipment From Grid Sheets to Atomic Shells

BY COL. EDWARD G. SHINKLE, USA
President, The U. S. Army Artillery Board

OUR business is testing. We work on new equipment for the Artillery with the critical attitude of a buyer to determine whether or not the equipment should be issued to Field Artillery troops. We have tested complicated and expensive systems like the Corporal Missile and simple items like new grid sheets. Each test is important in its own field. Each item approved by the Artillery Board represents an improvement in the capabilities of the Field Artillery.

The basic mission of testing has many side lights. They are best illustrated by a simple review of the steps of development of a new item showing where the Artillery Board participates.

Anyone may develop or discover a requirement for a new piece of equipment. If the requirement is approved by the Commanding General, United States Continental Army Command it is sent to the Artillery Board, which is one of his agencies. The Board then carefully describes and defines the new item in a document called Military Characteristics. These "MC's" become the basis of a technical service contract for construction. The Board monitors the manufacture of the item. We often inspect drawings, examine mock-ups, and watch technical tryouts and tests. Finally, we receive the item for our own tests.

THE REAL INFLUENCE that the Board has in this development cycle is the correction of faults and improvement of the item early in the program. It is a lot easier to change a drawing than to modify the final product. Our early comments save valuable time in getting equipment to the troops.

User testing is not a simple process. Where the engineers use measurements we use judgment. An engineer can determine very easily whether a part will take the stress for which it was designed. However, we have to answer such questions as, "Is it too heavy?", "Is it too complicated?" or "What overall improvement does it offer?" Surely measurements help us but in the final analysis Board recommendations are based upon judgment.

To understand the Board's work you must know its policies and methods of operation. All officers assigned have extensive troop experience, a record of superior performance, and usually a specialty qualification gained from experience or special schooling. These officers plan and conduct the tests. Each step in a test is a practical evaluation of how the item will react in a conceived tactical situation. By the end of

a test the item will have performed all the functions required of it in combat.

THE BOARD APPROACHES TESTS with a positive attitude. We try to make the equipment work, are pleased when it proves satisfactory, and sad when it shows deficiency. We give equipment a fair test, a hard test but we do not deliberately try to break it.

During a test the opinions of the enlisted men are important. The men react quickly to new equipment. They express themselves freely, especially when they mash a finger in a new breech block. We consider enlisted men's opinions in all our decisions.

There is one important consideration in testing that all troops should appreciate. No item is perfect! With any piece of equipment you must buy its limitations along with its services. It is as simple as a pair of eyeglasses. They help you see but you must be careful not to drop them. The question of whether services performed exceed limitations is one of judgment that must be answered by the Board.

The 280-mm gun is a practical illustration of the problem of services versus limitations. The gun will deliver an atomic explosion, accurately at a good long range. Its limitations are its weight, bulk and, therefore, limited mobility. In adopting the weapon the decision was—"When used within its limitations it would still perform a valuable and necessary service."

The U. S. Army Artillery Board has completed and is still working on many interesting tests

THE MISSILE DIVISION of the Board is located at Ft. Bliss, Texas. This Division is charged with testing all surface to surface rockets and guided missiles. Although all of their 14 projects are classified, two have limited release and can be mentioned here. These are the LaCrosse and Dart guided missile systems. It is fascinating to watch these missiles seek their targets with human intelligence and extreme accuracy. The rocket and guided missile field is large and new. All of us have a lot to learn about it. To improve missiles and reduce their limitations will take some time. A little patience is required. Consider the cannon: we have improved it for 600 years and are not through yet.

Headquarters and the other two Divisions of the Board are located at Ft. Sill, Okla. The Materiel Division handles all supporting equipment. This includes the subjects of meteorology, radar, sound and flash ranging, survey, fire direction, atomic energy projectiles and artillery communication.

A most interesting and difficult test

recently completed by the Materiel Division of the Board was performed on the four new Artillery self-propelled weapons. The 105-mm Howitzer (M52), 155-mm Howitzer (M44), 155-mm Gun (M53), and 8-Inch Howitzer (M55) are all heavy, full tracked, lightly armored, self-propelled weapons. Over four years was spent in a battle to increase reliability and reduce complexity of these items. Many changes were made in order to make them usable weapons.

THE ATOMIC ENERGY PROJECTILE for the 280-mm Gun is probably the most exciting project that the Gunnery Division has completed. Unfortunately, it is a classified item and all that can be said is that it is a good one.

Occasionally during the prosaic testing of Artillery support items, dramatic results are obtained. This happened in the Gunnery Division's test of the AN/MPQ-4 radar. Here was a mortar locating radar of improved design competing directly with the standard AN/MPQ-10. Troops who use radar appreciate the fact that long inoperative items are required for maintenance. The Q-4 operated for 400 hours with only 20 hours out for minor maintenance. It did its job too.

The Artillery Board enjoys excellent relations with the US Army Artillery and Guided Missile School. The School is the guardian and developer of Artillery doctrine and technique. Equipment and technique must go hand in hand. Neither one has any significance without the other. And so the School and the Board, both located at Fort Sill, work closely together with a continuous exchange of information and advice.

THE LAST IMPORTANT POINT to make for the understanding of Board functions is the fact that Board reports are an expression of the Board as a whole. It is not a one-man command in which reports reflect the Commander's views only. A report of the US Army Artillery Board is the result of a complete review of all the data of a test by the senior officers assigned to the Board. These data are analyzed, and opinions solicited. The conclusions and recommendations of the report are a consensus of the Board members. Anyone who objects (including the President of the Board) must write a minority opinion. In other words, for the purpose of reporting, we function as a board and not as a command.

Board work is intensely interesting. It requires a sound basis in Field Artillery and the ability to think logically. Any person assigned to the Board will find himself thinking and working in the future. At the end of his tour he will be three to five years ahead of the troops.

Kennedy, M/Sgt P J
Mattling, M/Sgt T
Neffler, Sgt J M
Leapheart, Sgt S R
Schlesenberg, Sp2
(E-5) Max
Brooks, M/Sgt J R

Cordell, Sfc Charles
Crawford, Sfc C S
Nieman, M/Sgt A B
Parobechek, Sfc G T
Robbins, M/Sgt D L
Fulkerson, Cpl W M

ENLISTED MEN RETIRED—

Brady, M/Sgt A H
Voorhees, Sgt Prime
Hornsby, Pvt W L, Jr
Lantz, M/Sgt L T,
ret as 1st Lt
Misalki, Sgt R W
Morrison, Pvt (E-2)
P W C
Wilcox, Pvt (E-2)
G L
Ames, Pfc W A, Jr
Spears, Pfc Percy
Clements, Sp3 J R, sr
Chernick, Sp2 E J

EM TO TEMP DISAB RET LIST—

Catron, Pvt (E-2) J R
Starr, Pfc W H
Huston, Pfc W J
Detko, Pfc Michael
Windham, Pfc M
Stewart, M/Sgt W W
Stewitzer, Sgt W G
Able, Sgt W F
Ablang, Sp2 M A
Ashton, Sp3 R D
Morris, Pvt (E-2) A R
Salley, Pfc Albert
Motyka, Pvt (E-2) J
Coff, M/Sgt R W

EM REMOVED FROM TEMP DISAB RET LIST—

Ward, Cpl M B, and
disch
Smith, Pfc Eugene,
and disch
Lopez, Cpl R V
Ensign, Pfc F R
Peterson, Pvt (E-2)
D D
Rawlings, Pvt (E-2)
W E
Bradley, Cpl H C, Jr
Ross, Cpl C W
Jones, Pvt (E-2) A P
Gore, Sfc B I

Rodriguez, Sgt E
Nevaril, Cpl F J
Barrett, Pvt (E-2)
Pearl
Robinson, Pvt (E-1)
C H
Tucker, Sfc W E, Jr
Phillips, Cpl R L
Smith, Cpl W J
Gibson, Pvt (E-2)
C A, Jr
Stinnett, Pvt (E-2)
R L
Butts, Cpl A E

New Medical Supply Chief

Col. Theodore M. Carow, MC, USA, has been appointed Chief of the Supply Division of the Army Surgeon General's Office in Washington, D. C.

He advises and represents the Army Surgeon General on matters of medical supply and equipment, and serves as Chairman of the Army Medical Service Technical Committee which determines whether civilian equipment is suitable for Army use.

The Colonel is married to the former Helen Cotton, daughter of Mr. and Mrs. Floyd Cotton of Newcastle, Pa. They and their daughter, Norma Jean, and Cora L. Carow, the Colonel's mother, reside at 1903 Camp Alger Ave., Falls Church, Va.

U. S. AIR FORCE ORDERS

James H. Douglas, Jr.—Secretary of the Air Force

Malcolm A. MacIntyre—Under Secretary of the Air Force
Dudley C. Sharp—Assistant Secretary (Material)
Lytle S. Garlock—Assistant Secretary (Financial Management)
David S. Smith—Assistant Secretary (Manpower, Personnel & Reserve Forces)
Richard C. Horner—Assistant Secretary (Research & Development) (Designate)
General Nathan F. Twining—Chief of Staff

GENERAL

LeMay, Curtis E, fr Hq SAC, Offutt AFB, Nebr. fr dy as CINC. SAC; to Hq USAF, Office, CofS, Wash. DC, for dy as VCofS, USAF, eff 1 Jul '57.

LIEUTENANT GENERAL

Anderson, Samuel E, fr Hq USAF, Wash. DC, fr dy w/Office, Secy of Def, fr dy as Dir, Wpns Sys Eval Gp, Office, Asst Secy of Def (R&D); to Hq ARDC, Baltimore, Md, for dy as Comdr, ARDC, eff 1 Aug '57.

MAJOR GENERAL

Estes, Howell M, Jr, fr Hq ARDC, Baltimore, Md, fr dy sta Wright-Patterson AFB, O, fr dy as Asst Dep Comdr for Wpns Sys, ARDC, & add dy as Comdr, Det 1, Hq ARDC, Wright-Patterson AFB; to Hq USAF, Wash. DC, for dy as VCofS for Air Def Systems, NLT 15 Aug '57.

Todd, Walter E, prev ors re his rsg fr Hq FEAF, APO 925, SF, to Hq Pac AF, APO 953, SF, IATR "to Det 4, Hq Fifth AF, Pac AF, APO 301, SF."

Myers, (Brig Gen) Colby M, fr Hq USAF, APO 633, NY, & fr dy as Dep CofS, Instals; ret in gr of Brig Gen, eff 30 June '57, & add to gr of Maj Gen.

Roth, Marshall S, Asst DCS/O for Western Hemisphere Affairs, Hq USAF, Wash. DC, is asg dys as Sr USAF Mbr, US Delegation, Inter-American Def Bd; USAF Mbr, US Delegation, Jt Brazil-US Def Commission; USAF Mbr & Chmn of the Jt Mexican-US Def Commission, eff 1 Jul '57.

Lindsay, Richard C, prev ors re his rsg fr Hq USAF, Office DCS/O, Wash. DC, fr dy as Asst DCS/O, USAF, fr add dys as AF Mbr & Chmn, US Sec, Jt Mexican-US Def Commission; AF Delegate, US Delegation, Jt Brazil-US Def Commission Sr AF Delegate, US Delegation, Inter-American Def Bd, IATR "fr Hq USAF, Office DCS/O, USAF, eff 1 Aug '57, fr add dys as AF Mbr & Chmn, US Sec, Jt Mexican-US Def Commission, Sr US AF Mbr, US Delegation, Inter-American Def Bd, & USAF Mbr, US Delegation, Jt Brazil-US Def Commission, eff 1 July '57."

BRIGADIER GENERAL

Roberts, James E, prev ors re his rsg fr Hq ATC, Scott AFB, Ill, to Det 3 (SHAPE) Allied Air Fcs Northern Europe), 1141st USAF Sp Act Sq, Hq Comd, USAF, APO 85, NY, for dy as CofS, Allied Air Fcs Northern Europe, IATR "to Hq Twelfth

AF, USAF, APO 12, NY, for dy as Dep Comdr, Twelfth AF."

Warren, Beverly H, prev ors re his rsg fr Hq FEAF, APO 925, SF, to Hq AMC, Wright-Patterson AFB, O, IATR "for dy as Dep Dir for Prod, AMC."

Donnelly, Harold C, fr Det 1 (SHAPE), 1141st USAF Sp Act Sq, Hq Comd, USAF, APO 55, NY, fr dy as Ch, Plans & Policy Br, Plans & Pol Div; to Hq USAF, Wash. DC, NLT 1 Aug '57.

COLONEL

Fellows, Paul D, sr, Hill AFB, Utah, to 6th Allied Tac AF, Supreme Hq Allied Powers Europe, APO 224, NY, for dy as Ch, Sup & Svcs Br.

Fr Robins AFB, Ga, to sta indicated: Hudson, Leroy, Maywood AF Dep, Chell AFS, Calif.
Kirk, Ronald F, Hq Alaskan Air Comd, APO 912, Seattle.

Fr Wash, DC, to sta indicated: Frink, Horace E, Jr, Hq Fifteenth AF, SAC, March AFB, Calif.
Blaine, Mayhue D, Hq ADC, Ent AFB, Colo.
Cannell, James L, Hq AMC, Wright-Patterson AFB, O.
Powers, Arthur D, Hq ADC, Ent AFB, Colo.
Latoszewski, Edwin J, Hq AWC, AU, Maxwell AFB, Ala.

Fr Ent AFB, Colo, to sta indicated: Jacinto, Francis M, Hq 551st AEW&Con Wg, ADC, Otis AFB, Mass.
Myers, Harold A, Hq 7100th Support Wg, USAF, APO 633, NY.

Fr Offutt AFB, Nebr, to sta indicated: Thomas, Glen J, Hq 7th ADiv, SAC, APO 125, NY.

Galer, Michael J, Hq Sixteenth AF, SAC, APO 285, NY, for dy as Dir, Materiel, Bestic, John B, 1808th Airways & Air Comm Wg, MATS, APO 915, SF, for dy as Comdr, Stafford, Robert F, 14th ADiv, SAC, Travis AFB, Calif.

Nichols, Edward M, Jr, Hq AWC, AU, Maxwell AFB, Ala, to attend 1957-58 CI.

Strathern, Arthur D, (DC), 321st Bmb Sq, SAC, Pinecastle AFB, Fla, for dy as Base Dental Surg.

Reinhold, Richard D, Hq AWC, AU, Maxwell AFB, Ala, to attend 1957-58 CI.

LIEUTENANT COLONEL

King, John C, So Bend, Ind, to dy sta Brookley AFB, Ala.
Sary, Nicholas J, Wright-Patterson AFB, O, to 25th Comm Sq, USAF, APO 633, NY.

Fr Offutt AFB, Nebr, to sta indicated: Smith, John M, Hq 14th ADiv, SAC, Travis AFB, Calif.
Siebold, Edward G, 35th Avn Dep Sq, SAC, Biggs AFB, Tex.
George, Dominic J, Hq USAF, APO 633, NY.
Gunn, Harry E, 3810th USAFH, Maxwell AFB, Ala, (pnt).

Fr Ent AFB, Colo, to sta indicated: Simpson, O'Wighton D, Office, Air Attache, Bucharest, Rumania.
Lane, George V, Hq 20th Ftr-Bmbr Wg, USAF, APO 120, NY.

—Continued on next page

USAF Orders

From preceding page—

Fr Hill AFB, Utah, to sta indicated:
Mann, Joseph L, Walter Reed AMC, Wash, DC, (pnt).
Garcia, Abraham G, Hq AC&SC, AU, Maxwell AFB, Ala, to attend CI 58.

Fr Wash, DC, to sta indicated:
Bullard, Perry C, Hq ConAC, Mitchel AFB, NY.
Snyder, Richard C, dy sta AF Ballistic Msl Div, Inglewood, Calif.
McDonald, Claud W, Hq Ogden Air Materiel Area, AMC, Hill AFB, Utah.

Fr Robins AFB, Ga, to sta indicated:
Blakely, Everett E, Hq SAMAP, APO 74, SF, Beach, Gordon M, Pnts Sq Sec, 3810th USAFH, Maxwell AFB, Ala.

TO Hq AC&SC, Maxwell AFB, Ala, to attend CI 58:

Sadler, Robert A Skipper, Roy B

MAJOR

Gascoigne, Joseph A, Jamaica, NY, to Wash, DC, Hq USAF, Directorate of Oprs, DCS/O, Smith, Daniel C, Wash, DC, to dy sta Univ of Pittsburgh, Pa.

Taylor, Irving C, Santa Monica, Calif, to Ent AFB, Calif.
Mayhew, John F, Wash, DC, Hq ConAC, Mitchel AFB, NY.

Lahr, Edward W, fr Robins AFB, Ga, to Hq Rome AF Dep, Griffiss AFB, NY.

Fr Offutt AFB, Nebr, to sta indicated:
Hamrick, James Q, Hq 7th ADiv, SAC, APO 125, NY.

Chadbourne, Harvey C, Hq Second AF, SAC, Barksdale AFB, La.
Boyer, Joseph M, Jr, 823d ADiv, SAC, Homestead AFB, Fla.

Vargas, Roger E, Hq AF Institute of Tech, AU, Wright-Patterson AFB, O, to attend Adv Log Crse.

Schindler, Hallman W, dy sta RCAF Hq, Ottawa, Canada, for dy as SAC Instis Lsn Off.

Gallagher, James G, 28th Bmb Wg, SAC, Ellsworth AFB, SDak.
Banovitz, Theodore J, 14th ADiv, SAC, Travis AFB, Calif.

Boglio, Reynolds, 12th ADiv, SAC, March AFB, Calif.

To Hq AC&SC, AU, Maxwell AFB, Ala, to attend CI 58:

Burcham, Lee A Monjar, Henry C
Confer, Harold E O'Connor, John C
Fall, Gerald G, Jr Prahier, Robert H
Gordon, David T Quint, Robert J
King, William H, Jr Silva, Theodore D
Kraus, Francis R

CAPTAIN

Nash, Frank B, Offutt AFB, Nebr, to 72d Bmb Wg, SAC, APO 845, NY.

Ratz, Roland L, Wright-Patterson AFB, O, to USAFH, Lackland AFB, Tex, (pnt).
Cummings, LeRoy J, Robins AFB, Ga, to 1079th Medical Svc Sq, Fitzsimons AH, Colo.

Webb, Gilbert L, Offutt AFB, Nebr, to 397th AB Gp, SAC, APO 284, NY.

Robbins, Vernon M, Hill AFB, Utah, to 2349th USAFH, 2349th AB Wg, Parks AFB, Calif, (pnt).

Bixby, Kenneth E, Jr, Tinker AFB, Okla, to Hq Central Air Mat Area, Europe, APO 10, NY.

1st LIEUTENANT

Williams, Minnie M, Wright-Patterson AFB, O, to 6110th USAFH, FFAF, APO 710, SF.
Barlow, Wesley J, Hill AFB, Utah, to Hq Northern AMA Pac, APO 323, SF.

Wright, Norman H, Ent AFB, Colo, to dy sta Univ of Colo, Boulder.

Smith, Philip N, (ChC), Wright-Patterson AFB, O, to 47th Bmb Trng Wg, USAF, Europe, APO 757, NY.

Easley, James J, Robins AFB, Ga, to 6900th Sec Wg, APO 757, NY.

Peck, Dean O, McClellan AFB, Calif, to 10th ADiv, AAC, APO 942, Seattle.

CHIEF WARRANT OFFICER

Dalton, W-2 Louis B, Robins AFB, Ga, to Hq 62d Trp Crr Wg, TAC, Larson AFB, Wash.

Boyle, W-3 Edward C, Tinker AFB, Okla, to 408th AB Wg, APO 864, NY.

Hightower, W-2 Leslie J, Offutt AFB, Nebr, to Hq Sixteenth AF, SAC, APO 285, NY.

Wakefield, W-2 William R, Robins AFB, Ga, to 98th Ftr-Intcy Sq, ADC, Dover AFB, Del.

FORMER ORDERS REVOKED—

Latoszewski, Col Edwin J, prev ors re his rsg fr Wash, DC, to Hq 45th ADiv, SAC, Loring AFB, Me, revo.

Weigel, Lt Col Andrew H, prev ors re his rsg fr Wash, DC, to Hq USAFA, Lowry AFB, Colo, revo.

Dugger, Maj Bert S, prev ors re his removal fr Temp Disb Ret List & dish, revo.

Webb, Capt Gilbert L, prev ors re his rsg fr Offutt AFB, Nebr, to 3919th AB Sq, SAC, APO 129, NY, revo.

RETIRED—

Gist, Col (LtCol) William H, Jr, in gr of LtCol & adv to gr of Col; fr Hq AFRES OTC, AU, Maxwell AFB, Ala.

Bowyer, Col (LtCol) William G, in gr of LtCol & adv to gr of Col; fr Hq 6590th Support Gp, ARDC, Baltimore, Md.

Coutlee, Col (LtCol) Melle J, in gr of LtCol & adv to gr of Col; fr Hq 1020th USAF Sp Act Wg, Hq Comd, USAF, Ft Myer, Va.

Lewis, Col (LtCol) William, Jr, in gr of LtCol & adv to gr of Col; fr Hq 314th AB Gp, TAC, Sewart AFB, Tenn.

Hall, LtCol Claude N, fr 2750th USAFH, AMC, Wright-Patterson AFB, O.

Carpenter, LtCol (Maj) Hervey B, in gr of LtCol; fr Hq 4060th AB Gp, SAC, Dow AFB, Me.

Wolf, Maj Franklin E, fr Hq 814th AB Gp, SAC, Westover AFB, Mass.

Flood, Maj Jack F, 3810th USAFH, AU, Maxwell AFB, Ala.

Graves, Maj Myron W, in gr of LtCol; fr 42d Oprs Sq, SAC, Loring AFB, Me.

Zimmerman, Capt Charles, in gr of Maj; fr Hq AMC, Wright-Patterson AFB, O.

Dillon, Capt John J, fr 1073d Medical Svc Sq, Hq Comd, USAF, USNH, St Albans, NY.

Machin, Capt Jack S, fr 1079th Medical Svc Sq, Hq Comd, USAF, Fitzsimons AH, Colo.

Walker, Capt Edward D, in gr of Maj; fr 1092d Avn Dep Sq, Hq Comd, USAF, Medina Base, Tex.

Herriott, 1st Lt James A, fr 2349th USAFH, ConAC, Parks AFB, Calif.

Pennington, CWO-2 Henry G, fr 509th Fld Maint Sq, SAC, Walker AFB, NMex.

Brightman, CWO-2 William H, fr Hq Holloman Air Dev Cen, ARDC, Holloman AFB, NMex.

Harter, CWO-2 Bernard F, fr Hq Okla City Air Mat Area, AMC, Tinker AFB, Okla.

OFFICERS TO TEMP DISAB RET LIST—

Lette, Capt Leroy L, fr 2349th USAFH, ConAC, Parks AFB, Calif.

Vining, 1st Lt John B, fr 3810th USAFH, AU, Maxwell AFB, Ala.

OFFICERS FR TEMP DISAB RET LIST—

Lind, Maj Robert G, & ret.

Gaughan, Capt John P, & ret.

RESIGNED—

Cutter, Maj (Capt) James A.

Dever, Maj Charles A, (ChC).

Gregory, Maj (Capt) R D, Jr.

Weed, Maj (Capt) Allen S.

Lusk, Capt Joe F.

Knight, Capt James E.

Malachowsky, Capt Martin N.

Miller, Capt (1st Lt) Bernard P.

Fields, Capt Jack H.

Murphy, 1st Lt Richard F.

Fahey, 1st Lt John P.

PERMANENT PROMOTIONS—

To Major

Roberts, Benjamin A, w/Dr 12 Jun 57.

Zwiefel, Harold J, w/DR 13 Jun 57.

W/DR 14 Jun 57

MacDougall, Joseph E, Mann, William L.

Hamilton, Richard E, Jr.

Tisdale, James W, Jr, w/DR 15 Jun 57.

W/DR 16 Jun 57

MacKenzie, Robert F, Ogle, Sherman L.

Moore, Robert B, w/DR 17 Jun 57.

To Captain

W/DR 12 Jun 57

Bunn, Russell A, Schaumburg, F W, Jr.

Penner, Clyde E, (MC).

Kirk, Thomas H, Jr, w/DR 13 Jun 57.

To 1st Lieutenant

Combs, Wayne L, w/DR 14 Jun 57.

To CWO-4

Treat, Jay T, w/DR 17 Jun 57.

To C

Healy, Michael J, w/DR 12 Jun 57.

Sadler, Chester P, w/DR 13 Jun 57.

Ovitsky, Felix W, w/DR 14 Jun 57.

Thornblad, Robert V, w/DR 15 Jun 57.

Dellamonic, Anthony S, w/DR 16 Jun 57.

Miller, Charles D, w/DR 17 Jun 57.

To CWO-2

Jentoft, Edward N, w/DR 12 Jun 57.

McConnell, Charlie J, Jr, w/DR 13 Jun 57.

Knight, George W, w/DR 14 Jun 57.

Hanna, Floyd H, Jr, w/DR 15 Jun 57.

Kennon, Wilfred H, Jr, w/DR 16 Jun 57.

Spearman, Edward M, w/DR 17 Jun 57.

TEMPORARY PROMOTIONS—

To Lieutenant Colonel

Draddy, Robert E, (DC)

Stuart, Laurence D, (MC)

To Major

Beeler, R Y, (DC)

Durak, G G, (MC)

Rapp, H B, (MC)

Lynch, H C, (MC)

Schalet, N (MC)

Flint, John S (MC)

To Captain

Shafer, H E, (DC)

Piscopink, F W, (DC)

To 1st Lieutenant

Shulman, Jack P

Mohan, Patrick O

Perkins, James N

Bowen, David H

Shisler, Jerome P

Conway, Wayne D

Graff, William C, Jr

Januska, Charles J

Greene, James A, 3d
Jordan, James E
Melville, Douglas F
Christie, Ernest D
Lynch, E C, Jr

To CWO-3

Bukovac, Matthew M
Helin, David A
Newell, Don J
Proffitt, Vernon R
Solomon, Edwin M

REGAF PROMOTIONS CONFIRMED—

Colonel

Bearly, James H
Cooke, Charles J
Corwin, Alexander
Herrelko, Frank E

Lieutenant Colonel

Porter, Lester W
Sirney, John A

Major

Salvo, J P, (MSC)
Adams, Carl R
Bilson, John G
Bollard, Donald W
Carlson, Roy D
Carney, Francis M
Carr, William F
Davis, Vincent E
Dietrich, Clair M
Fowler, James F
Frey, George J
Gregory, Benjamin F
Hall, Felton W
Hillen, John W, Jr
Howard, Pat N
Lanphere, Jean W
Miele, Alfonso R
Murray, Charles B
Parsonson, Ernest C
Reddick, Noel B
Rentmeester, L F
Roberts, Harry W

Captain

Akers, D M, (MC)
Finlay, W C, (MC)
Gritti, Emil J, (MC)
Holk, H C, (VC)
Pollack, H M, (MC)
Hartley, L J, (MC)
Wilhite, G E, (MC)
Burge, C H, (MSC)
Bayliss, Charles E
Byron, Lucien, Jr
Collier, J C, Jr
Groseclose, R P
Hines, T F
McMullen, Malcolm
Oles, Francis J
Parnelle, R E, Jr
Peede, Floyd A, Jr
Peterson, Carl D

1st Lieutenant

Fisher, J V, (MSC)
Lashelle, Kirke, Jr
Palumbo, William C
Powers, Robert J
Pugh, Charles E

PERMANENT APPOINTMENTS—

As 1st Lieutenant

W/DR 25 Feb 55

W/DR 27 Feb 55

W/DR 28 Feb 55

W/DR 1 Mar 55

W/DR 3 Mar 55

W/DR 4 Mar 55

W/DR 14 Mar 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

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W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

W/DR 1 Jun 55

Belcher, John T
Davis, Jerry G
Gilliland, Jack E, Jr
Thompson, W D
Bowen, Kenneth R
Hoover, Richard L
Barlow, Wesley J
Bayless, Thomas H
Cobb, Kenny D
Robson, Donald E, w/DR 15 Mar 55.

W/DR 17 Mar 55

Harrison, Gerald D Linton, John D, Jr

W/DR 18 Mar 55

Allen, David H
Bird, DeVaughn
Clarke, James E
Ingram, Ralph W
Lennon, W E, Jr

W/DR 22 Mar 55

Peterson, Kenneth L Haile, Allen C

Strain, Robert B

W/DR 26 Mar 55

Timpko, C M, Jr Bryce, Thomas C

W/DR 27 Mar 55

Reed, Guy A, Jr Saunders, William W
Secanti, Richard M Walker, Stuart D
Whitehouse, Larry V, w/DR 28 Mar 55.

Champlin, James L, w/DR 29 Mar 55.

W/DR 30 Mar 55

Green, Wade L Jackman, Thomas W

Bartholomew, D B Atkinson, R R, Jr

Anderson, Milton W O'Banion, G A

Pettyjohn, Jimmy C Sherrier, Richard J

Pekarek, Bert E

Tilley, Tommy A, w/DR 31 Mar 55.

W/DR 7 Apr 55

Degnan, Donald W Kelly, James S

Hilbun, W H, 3d Kincaid, T L, Jr

Paige, Frederick D

W/DR 9 Apr 55

Schulman, H L Jost, George T

Galdwell, Troy L, w/DR 10 Apr 55.

W/DR 11 Apr 55

Manthel, Donald F Hirsh, Leon S, Jr

Sverdrup, L H Lively, William L

Monahan, John W Winbery, Gordon H

Wright, Clifton D, Jr, w/DR 12 Apr 55.

W/DR 14 Apr 55

Kuhnell, L R, 3d Meinig, Helmut P M

Smith, Warren P, Jr Radcliff, C F, Jr

Comfort, Earle H

W/DR 22 Apr 55

Barker, Raoul S Greenblatt, Owen L

Yager, Donald E Koski, Francis H

Capper, Dennis L



COL. ROBERT J. BENFORD, Medical Corps, USAF, receives the Commendation Ribbon and Second Oak Leaf Cluster at a recent ceremony held in the office of the Surgeon General. The medal was presented by Maj. Gen. Dan C. Ogle, USAF, with a citation which stated that Colonel Benford had distinguished himself while serving as a member of the Inter-service Committee for Dependents' Medical Care, Headquarters United States Air Force. During this period, Colonel Benford made significant recommendations, after detailed studies of the problems involved, for providing medical care to service dependents in civilian facilities which were largely responsible for the enactment of the dependents medical care law.

W/DR 3 Jun 55

O'Brien, Thomas H Dahlquist, L R

W/DR 8 Jun 55

Eggleston, John D Quinn, Lawrence H
Faulkner, F H
Jeffries, William R, 3d, w/DR 11 Jun 55.
Peterson, Milton R, w/DR 12 Jun 55.

W/DR 15 Jun 55

Munna, Joseph V Lund, William W
Smith, Robert N Somers, Richard L
Boseman, Paul M Donlon, James M, jr
Hall, John L Elmer, Dean A
Chang, K K C Varnum, John W
Borland, Jack G Behringer, Blair R
Ericson, D M, jr Brennan, William F

W/DR 17 Jun 55

Anderson, William G Hegwer, Frank A
Arenas, Thomas J Jameson, George W
Bolin, John W, jr Womack, Willis G
Edgren, Robert D

W/DR 22 Jun 55

Zarr, Robert D Wiederspan, Jon W
Siegmund, F R, jr

W/DR 23 Jun 55

Phillips, John B Girard, Robert M

W/DR 27 Jun 55

Smith, Dale H Davis, James W
Weaver, James A, jr
Tillotson, James H, sr, w/DR 28 Jun 55.

W/DR 30 Jun 55

Newell, Jack L Hall, Gene F
Schmaling, Max R Desmond, W R
Boehler, E A, jr Walbridge, James S

W/DR 14 Jul 55

Gunn, Gregory S Jandt, Robert A
Burns, Lindo L, w/DR 22 Jul 55.

W/DR 25 Jul 55

Kingsley, R H, jr Whiteside, Jack H
Cannon, Mervyn M
Haffner, Richard W, w/DR 30 Jul 55.
Burkett, Walter M, w/DR 1 Aug 55.
Wareham, William A, w/DR 3 Aug 55.

W/DR 4 Aug 55

Oglesby, Joseph D Mohler, Thomas F
Valle, Manuel de J, w/DR 8 Aug 55.
Coupland, William R, w/DR 13 Aug 55.

W/DR 16 Aug 55

King, Robert R Gustafson, Charles J
Russell, Raymond A
Bartlett, Reid, jr, w/DR 17 Aug 55.

W/DR 23 Aug 55

Cunningham, C J, 3d Nichols, David L

W/DR 30 Aug 55

Edwards, Harry N Grewell, Dean R, jr

W/DR 31 Aug 55

Fuller, B R, 3d DeCarlo, Anthony J

W/DR 1 Sep 55

Shook, Tom M Slider, Joseph H

W/DR 9 Sep 55

Bartman, Gilbert
Dutton, Richard K
Hogue, Herbert R
Keith, Patrick
McHugh, Joseph A
Nou, Juri V
Trudell, Alfred A
Yancy, Raymond C
Hess, Robert C

W/DR 13 Sep 55

Curtis, Lewis G Coyle, Francis S, 3d
Schorsch, Rudolf H, w/DR 17 Sep 55.
Garner, Mark S, jr, w/DR 24 Sep 55.
Savage, Stanley E, w/DR 26 Sep 55.

Anderson, Richard E, w/DR 27 Sep 55.
Paschal, Richard B, w/DR 28 Sep 55.
Mullenex, John T, w/DR 1 Oct 55.

W/DR 8 Oct 55

Cleveland, F H Carrier, Stephen C
King, Cliff A, Jr, w/DR 17 Oct 55.
Shiver, Robert A, w/DR 11 Dec 55.
Ragland, Ralph E, w/DR 3 Feb 56.
Yates, Minnifred, w/DR 7 Apr 56.
Allfrey, William D, w/DR 1 Jun 56.

HONORABLY DISCHARGED—

Sanabria, Capt John F.

SEPARATIONS—

Destiche, Capt Robert J.
Ritter, 1st Lt Daniel J.
Kitzing, 1st Lt Armond H.
Boyle, 1st Lt Robert K.
Duncan, 1st Lt Lloyd E, jr.
Widmire, 1st Lt Miller A.
Critchfield, 1st Lt Frederick A.
Warner, 1st Lt James Rodney

CHANGE OF NAME—

Sweetwine, Capt Abbie L, to Abbie L Hicks.
Brothen, 1st Lt Thressa L to Thressa L Gajan.
Bryant, 1st Lt Ruth A, to Ruth A Peeler.
Peckham, 1st Lt Colleen A, to Colleen A Wallace.
Roberts, 1st Lt Gloria S, to Gloria R Gunter.
Tripodi, 1st Lt Gloria F, to Gloria F Donahue.
Wilson, 1st Lt Dorothy B, to Dorothy W Fellows.
Corbin, 2nd Lt Ocie L, to Ocie L Baird.
Hostetler, 2nd Lt Betty L, to Betty L H Oakley.
Hummel, 2nd Lt Beverly L, to Beverly H Cooper.
Varina, 2nd Lt Joan K, to Joan V Ground.
Wilson, 2nd Lt Jacquelyn R, to Jacquelyn R Vogler.
Clamporne, Capt William C, to William C C. Baron.
Hilovsky, Capt Steve E, to Steven E. Hill.
Fullerton, 1st Lt Carol A, to Carol A Westlake.
Gerber, 1st Lt Bernice L, to Bernice L Ogle.
Hawkins, 1st Lt Alice C, to Alice C Gordon.
Ignaszewski, 1st Lt Pearl J, to Pearl J Gentry.
Gelhar, 2d Lt Herlene M, to Herlene M Grantham.

CORRECTION—

Parker, Col James Y, prev ors re his rsg fr Wash, DC, to Hq FTAF, ATC, Waco, Tex, IATR "to Hq 19th AdDiv, SAC, Carswell AFB, Tex."
Forester, Zachary T, jr, prev ors re his temp prom to gr of Maj, IATR "Forester Zachary T, jr."

TEST SUPER SABRE

North American F-100F "Super Sabre," two place version of the first of the century series aircraft, has been flown to Eglin AFB, Fla., from Los Angeles by Maj. Peter VanMatre and Capt. Eugene M. Faber for employment and suitability testing at the Air Force Operational Test Center under the supervision of Capt. Jesse E. Green, Senior Project Officer for the test. Major Van Matre, Captain Faber and Captain Green are members of the AFOTC's 3243rd Test Group (Fighter).

The "F" model of the "Super Sabre" is the fourth model in the Super Sabre series, and is designed for use as a fighter-bomber, an air superiority fighter or as a trainer. It was designed to be flown by one man on fighter and bombing missions. It can also carry an observer or student riding tandem in the rear cockpit. All armament controls are in the front cockpit.

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Barhoff, John C, prev ors re his temp prom to gr of Maj, IATR "Barhoff, John C."
Roger, Wallace S, prev ors re his temp prom to gr of Capt, IATR "Rogers, Wallace S."

AIRMEN ADVANCED ON RET LIST—

Fitzgerald, M/Sgt Ambrose, to gr of Maj.
Roan, M/Sgt Rex G, to gr of Maj.
Allen, Robert C, to gr of Maj.
Pratt, M/Sgt Galen A, to gr of Capt.
Probasco, M/Sgt Alfred K, to gr of Capt.
Snyder, M/Sgt Herbert H, to gr of Capt.
Wood, M/Sgt William E, to gr of Capt.
Ledger, M/Sgt Roland E, to gr of 1st Lt.

SCHOOL AND CAMP DIRECTORY

The Schools and Camps listed below are effectively equipped to care for the educational and recreational needs of the children of members of the services and this Directory is recognized as an authentic and reliable aid to service parents in solving the problem of child education. For details as to the Schools listed in this Directory address them directly or communicate with the Army Navy Air Force Journal Dept. of Education, 1711 Conn. Ave., Washington 9, D. C.

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ROBERT M. WEEKS, Dir. of Admissions
MANLIUS SCHOOL, MANLIUS, N. Y.

Army Navy Air Force Journal 19
29 June 1957 (Vol. 94, P. 1331)

Dickinson, M/Sgt Homer C, to gr of CWO-2.
Aldridge, M/Sgt Arthur N, to gr of CWO-2.
Sorenson, M/Sgt Richard J, to gr of WO.
Docherty, M/Sgt Clarence J, to gr of WO.
Gilbert, T/Sgt Lucius T, to gr of M/Sgt.
Dutko, T/Sgt Jacob, to gr of M/Sgt.
Dennis, T/Sgt Walker J, to gr of M/Sgt.
AIRMEN RETURNED TO RET STATUS—
Willett, S/Sgt Fred H.

—Continued on next page

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USAF Orders

From preceding page—

AIRMEN TRF TO AFRES & ASG INACT STATUS—

Dring, M/Sgt Justin G.
McGuire, M/Sgt Luther A.
Clements, M/Sgt John B.
Salmons, M/Sgt Charles.
Turner, M/Sgt Donald O.
Hamilton, T/Sgt Robert.
Fields, M/Sgt Milton S.
Boyette, S/Sgt Robert R.
Willis, A/1C Andrew C.
Bentley, M/Sgt Albert S.
Broom, M/Sgt Lavere H.
Cipriano, M/Sgt Paul R.
McLeron, M/Sgt William A, Jr
White, M/Sgt Lawrence J.
Hoogendyk, T/Sgt Joseph.
Kazmierski, T/Sgt Frank.
Galati, M/Sgt James C.
Reagan, M/Sgt Lee A.
Relly, M/Sgt John F.
Ward, M/Sgt David A.
Kenning, T/Sgt George J.
Preslar, A/2C Raymond B.
Bailey, M/Sgt Lee G.
Hudgins, M/Sgt Clyde C.
Lovold, M/Sgt John A.
Martin, M/Sgt Otis.
Prevost, S/Sgt Sylvio A.
Noles, M/Sgt John J.
Tubach, M/Sgt Lloyd E.
Hendrix, A/1C James W.
Ihl, M/Sgt Herbert H.
Parks, M/Sgt George W.
Price, M/Sgt Clyde S, Jr.
Geckeler, M/Sgt John M.
Jones, M/Sgt Otis M.
Julian, M/Sgt Anthony A.
La Fleur, M/Sgt Clarence.
Carcusio, T/Sgt Michael J.
Chrismer, T/Sgt Woodrow E.
Evans, M/Sgt Charlie R.
Harpin, M/Sgt Norman W.
Talley, M/Sgt Knox.
Tyson, M/Sgt James M.
Walters, M/Sgt Henry.
Beran, T/Sgt Bennie A.
Winters, S/Sgt George K, Jr.
Athey, M/Sgt Johnie F.
Bedell, M/Sgt Floyd E.
Cunningham, M/Sgt Arthur W.
Riddick, M/Sgt Marvin D.

AIRMEN RETIRED—

Clegg, T/Sgt M H
Mitzan, A/1C L A
Dahl, M/Sgt V M
Barringer, T/Sgt I E
Conner, T/Sgt L H
Westley, A/2C C F
Graft, A/3C R L
Cave, T/Sgt W L
LeClair, A/2C R L
Presnell, A/2C B L
McNabb, S/Sgt E D
Jaynes, M/Sgt H E
Townsend, A/2C J L
Smith, M/Sgt R V
Shankel, T/Sgt Albert, in gr of M/Sgt.
McLean, S/Sgt Samuel S, Jr, in gr of T/Sgt.
Eldringhoff, T/Sgt
Albert L
Bentley, S/Sgt W L
Teague, A/2C R W
Slorf, M/Sgt Gerald J, in gr of Capt.
Cody, A/3C B L
Hamilton, M/Sgt F E
Davenport, T/Sgt
James E
Halla, T/Sgt E R
Dimberio, S/Sgt W V
Bures, A/1C D V
Deskins, A/1C W J
Likins, A/1C D W
Hanson, S/Sgt C R
Lang, S/Sgt G A
Kelly, A/3C A P
McCormick, A/3C A L
Teets, M/Sgt H E
Carpenter, A/2C R G
Betz, M/Sgt L F
Hosiins, A/2C D E
Drew, M/Sgt Neal
Kelley, T/Sgt W E
Sheraw, M/Sgt D G
Cannon, S/Sgt W E
Martinka, T/Sgt P J
Northan, S/Sgt L C
Perez, A/2C David
Wadyko, M/Sgt E F
Fuller, S/Sgt W A
Clemens, A/2C A B
Ackley, A/3C V L
Ingram, A/3C W E
Lazarchik, A/3C J E
Murray, A/3C F L
James, S/Sgt D A
Richardson, A/B B G
Godden, S/Sgt A G
Rush, S/Sgt J W

AIRMEN TO TEMP DISAB RET LIST—

Pitt, T/Sgt James R
Russell, A/1C D R
Wooten, A/2C J L
Atlee, A/B W R
Simpson, A/1C A E
O'Bryan, S/Sgt J E
Vequist, S/Sgt M D
Wilson, S/Sgt J D
Frison, A/1C N S, Jr
Gimenez, A/1C J P
Jenkins, M/Sgt W D
Mulise, S/Sgt R W
Almsworth, A/1C K A
Thomas, A/1C C C
White, A/1C J C
Moss, S/Sgt William E, in gr of Capt.
Davis, A/1C K W
Mobley, S/Sgt J R
Sorrentino, S/Sgt F S
Banks, A/3C George
Daniel, A/3C H L
Winters, A/3C G E
Zanotti, A/1C P J
McVlain, A/1C W C
Hubbs, A/1C W E
Miller, A/3C A D
Ruhl, A/B E P
Humphress, A/B W E
Welch, T/Sgt J E
Vincent, S/Sgt H N
Wilson, A/2C J J
Mariska, S/Sgt John
Launius, A/1C G J
Williams, A/2C R L
Ely, A/B James
Henry, A/2C S D
Rempel, A/2C D
Green, A/1C John D
Summerville, S/Sgt
William A
Irvin, A/B H L
Totter, S/Sgt H G
Delauter, M/Sgt P C
Hamm, A/1C G, Jr
Bryan, A/2C K W
Burke, A/3C J R, Jr
Cummings, A/2C B T
Henley, A/2C R H, Jr
Locke, A/B W R
Krick, M/Sgt R W
Clements, A/2C K N
Chiprich, T/Sgt S
Ventura, A/1C M F
Lovick, A/1C J O
Flores, A/2C A
Green, A/2C A L

U. S. COAST GUARD

Secretary of the Treasury—George M. Humphrey
Commandant—Vice Adm. Alfred C. Richmond

TEMPORARY promotions will be given to 160 Regular and active duty Reserve Coast Guard officers on 1 July.

The total includes 16 to captain, 30 to commander, 47 to lieutenant commander and 67 to lieutenant.

They are (names of Reservists are preceded by an asterisk):

To Captain

Meilen, Richard L
Rollins, Glenn L
Cerde, Clifford S
Thompson, E. C, Jr

To Commander

Durham, Wm N
Fleming, George C
Morrill, William C
Wilson, Kenneth E
Davies, W J, Jr
Kels, Gerhard K
Vosler, Douglas D
Schneider, Ed D
Cheney, Leroy A
Goettel, Fred A

Cascini, Ernest A
Helmer, Frank V
Shunk, Robert F
Lawrence, Wm J
Scalan, Bernard E
Ottinger, Guy L
Boyce, G R, Jr
Applegate, G T
Perry, Charles F
Reynolds, George R
Scheiber, Fred J
Ellis, Wm B

Waters, John M, Jr
Wright, Walter A
Munchmeyer, F C
Haff, Harry E, Jr
Young, Richard W
Dorian, Charles
Benner, Roger H
Moreau, James W
Cunningham, Robt P
Greene, Charles A
Heckmann, Albert A
Tibbits, L W, Jr
Lusius, Donald H
Atkinson, A A, Jr
Sutherland, John W
Leach, G H, Jr
Welton, Richard H
Schmits, Frank C
Burt, Ernest H, Jr
Riley, Francis X

Lieutenant Commander

Miller, William
Pennock, Thomas C
McCullough, H E
Boxwell, Alvin J
Tunro, Francis
Carlson, Willard E
LeBlanc, Hugh J
Willis, Thurston L
Wood, Bernard B
Haislip, David T
Quamme, Wesley J
Akers, William C
Davison, Donald D
McLean, Ivan C
Taylor, Edward G
Bohik, Franklin F
Price, Louis E
Komorsch, Jerry
Cherry, John W
Wernig, Vincent J

Weightlessness—What it is and what Douglas is doing about



Waltfelder, S L
Muth, Harold D
Branin, Samuel W
Stewart, Jack E
Boteler, James C
Huxtable, R L
Vukic, John
Welnert, Norman P
Smith, Owen B
Anderson, Paul L
Young, Rubin E, Jr
Michelson, Fred J
Green, Richard C
Reynolds, James B

Miller, Franklin J
Norman, James G
Lentner, Russell W
French, Harold A
Yates, William H
Pisicchio, Sam
Parkhurst, Robt D
Uasim, Otto F
Henry, Walter O
Finks, Verne D
Aitkenhead, Wm L
Baker, Charles F
Stewart, James P

Lieutenant

Weitzel, C A
Colmer, Charles C
Goldhammer, W R
Weems, Benjamin F
Davis, Gerald M
Lander, Leroy F

Sanders, Charles H
Nystrom, Donald A
Allen, William P
McDuffee, H B
Coward, Richard F
Daniels, Edwin H

Guild, Fred M
Alexander, Seymour
Knight, Luther C
Rahn, Edwin L
Johnson, Herbert L
Woolley, Harold W
Hanson, Robt J
Ward, Ellis P
Janicke, Wm T
McCullough, J A
Walden, Stanley J
Walker, Edward E
Dearden, John A
Wirsching, N J
Lehr, Wm E, Jr
Mann, Greene
Kelly, Joseph M
Olson, Hal F
Madson, Roger L
Kearsey, J A, Jr
Kohl, Walter W, Jr

Schumacher, K B
Hill, Ralph C
Mathieu, Charles E
Young, Glenn F
Grabb, James E
Relly, William P
Faucher, Roland A
Farmer, E C, Jr
Stirling, A G
Rowland, E E, Jr
Howland, David G
Murkle, W D, Jr
Hintse, Donald C
Hoyland, B A
Driggers, Vaughan W
Flanagan, Jerome V
Flood, Thomas J
Breed, Paul H
Cuaroni, Richard P
Roberts, Arthur P
Russell, Wm J

Irwin, James C
Fox, Walter D
Merritt, George F
Pledger, H A, Jr
Erwin, James P
King, Wm L
Garnet, Donald D

ASSIGNMENT CHANGES

Commander

Bartlett, David H, Base, St George to South
Insp (Duty).
Morell, Donald M, Taney (VO) to South
Insp (Duty) amended to CGD8 (Ch I&LE
Sect).

Lieutenant Commander

Kosky, Harry G, SupCen, Bkly (oce), to Hq
(Asst Ch ETD Div).
Malloy, Francis J, CGD7 (Ch EEE Sect), to
Hq (EEE).

Cope, Edmund L
Paulsen, Walter E
Bates, Laurence O
Babcock, D L
Wojner, Theo J
Smith, Donald W

Lieutenant

Allen, Nelson W, Taney (Duty), to CGD2
(Compt).
Barr, James E, Yeaton (CO), to CGD1 (Ad-
min).
Bieri, Floyd, CGD12 (F&S), to CGD2
(Compt)—Cancelled.
Draper, Donald M, CGD12 (dcr to p).
Guy, Walter F, Androscoggin (XO), to
COTP, Phila (Asst Dir of Aux, CGD3).
Kelly, James R, Castle Rock (EO), to Fit
Trng Grp, Guantanamo (Engr Duty).
Lauth, David F, COTP, S Fran (XO), to
Magnolia (XO).
Morse, Richard M, CGD13 (Admin), to Off
Comintcepat (XO).
Nolan, Wm J, Jr, Home, to MIO, Phila
(Duty).
O'Connell, John M, CGD1 (Duty), to MIT,
Cambridge (Dulns-Acoustics).
Oliver, Emmett S, Home, to Base, Alameda
(Duty).
Rush, Benjamin F, Hq (MVP to M).
Parker, John C, MIA Orleans (Duty), to
Perseus (XO).

Lieutenant (Jg)

Daniels, Edwin H, Lts, Cape Christian (CO),
to CGD7 (RCC).
Davis, Arthur S, Buttonwood (Duty), to
Mackinaw (Duty).
Gifford, Allan H, Winnebago (Duty), to
Blackthorn (Duty).

**Defense and Industry
Is Theme of Meeting**

The Third Annual Conference of the
Armed Forces Management Association,
held at Bolling AFB, D. C., stressed the
theme "Defense and Industry."

Dr. Harvard L. Hull, Vice President
of Litton Industries, spoke on use of
scientists and engineers and how to in-
crease their contribution to the world of
today and tomorrow. Under Secretary of
Labor, James T. O'Connell, was the
luncheon speaker. His subject was the
continued need for skilled and profes-
sional manpower.

Assistant Secretary of the Army, Hugh
Milton II, told what the Army is doing
to improve the use of the scientist in uni-
form. Mr. Graeme Bannerman, Office of
Naval Materiel, outlined what is being
planned by the Services in the manage-
ment of defense contracts, particularly
as pertains to recruiting and advertising.
Mr. William Weitzen, Deputy Assistant
Secretary for Research and Development
Operations, Air Force, spoke on
management in the Air Force of Today.

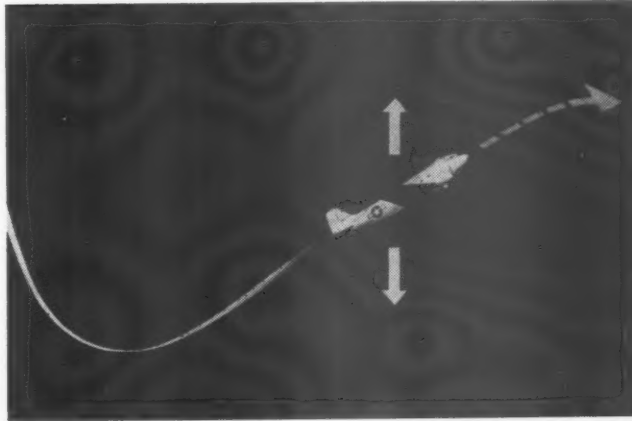
Three panel discussions covered the
use of scientists and engineers, the man-
agement of research and development ac-
tivities and the administration of facili-
ties maintenance.

The panel on Utilization of Scientists
and Engineers was moderated by Mr.
William Cavanaugh, Executive Secre-
tary, Engineering Manpower Commis-
sion. Members were: Dr. Clark Good-
man, Atomic Energy Commission; Dr.
George Howard, Technical Director, En-
gineering Development Laboratory, Fort
Belvoir; Mr. George Hupman, Manager,
Personnel Register and Placement En-
gineering Personnel Service, General Elec-
tric; Dr. George von Peterffy, School of
Business Administration, Harvard Uni-
versity; and Mr. Vincent Roddy, Techni-
cal Executive, Directorate of Research
and Development, U. S. Air Force.

The panel on the Management of Re-
search and Development Activities was
moderated by Mr. Daniel E. Noble, Ex-
ecutive Vice President of Motorola. Mem-
bers were: Dr. Albert C. Hall, Director
of Research, Bendix Aviation; Capt. D.
R. Hull USN (Ret.), Vice President and
General Manager, Equipment Operations,
Raytheon; Dr. John A. Hutcheson, Vice
President, Engineering, Westinghouse
Electric; Dr. O. T. Marzke, Director of
Research, Naval Research Laboratory;
Mr. Seth B. Robinson, Jr., Executive As-
sistant to Chief of R&D, Army; and Col.
James T. Stewart, Deputy Assistant for
Development Programming, U. S. Air
Force.

The panel on the Administration of
Plant and Facilities Maintenance was
moderated by Mr. Clarence Castle,
Chief, Services Division, Office, Sec-
retary of Defense. Panel members
were Colonel Louis J. Ferony, Chief
of Repairs and Utilities, Office of the
Chief of Engineers, Army; Cmdr. Paul
E. Seuffer, CEC, USN; Col. James F. Car-
ney, Deputy Chief of Maintenance, U. S.
Air Force.

When man invades outer space where neither
normal gravity nor atmosphere exist, strange
things will occur. Automatic functions—swal-
lowing or even breathing—will demand the
space traveller's deliberate thought. Exhaled
carbon dioxide may smother him. Liquids won't
flow, and undiffused sunlight will bathe him in
searchlight glare as micro-meteorites streak
past at 50 miles per second. Such problems in
the physiology and psychology of space travel
have been an active concern at Douglas, ever
since this Company's engineers—in 1946—
first designed an earth satellite for the military.



To study the problem of life without weight, Douglas engi-
neers early proposed flying a curve in which the pilot was so
balanced between gravity, centrifugal force, and drag that
he could experience a weightless state. The USAF has con-
ducted such experiments in a Douglas C-47. The record for
a pilot is now 47 seconds, although weightlessness has been
survived by animals for many minutes.



Forerunner of a practical space suit is the Navy's T-1 high
altitude suit, designed by Douglas engineers for test pilots
who undergo forces where a 200-pound man weighs more
than half a ton and at altitudes where his blood would boil.
The T-1 which has undergone pressure chamber tests equal
to an altitude of 20 miles up, is only one of the projects com-
pleted at Douglas to speed the day when man will travel
through space.

Depend on
DOUGLAS
first in Aviation



General Lasher Tells How Services Spend \$2 Million Daily For Transportation

From first page—

in common items of both supply and service. Within the Department of Defense, the administrative and operational evils of such multiplication are to be avoided by consolidating all aspects of traffic management in a single agency—the Military Traffic Management Agency.

Within the uniformed services, traffic management, has been almost traditionally a departmental responsibility. Over the years, each service—Army, Navy, and Air Force—has developed modifications of the basic traffic management concepts tailored to fit individual operating requirements and organizations. The fundamental idea of traffic management has remained unchanged within the military services, but the different missions and means allocated to perform such missions have led to highly individualized approaches to the same problem.

Military vs. Industrial Traffic Management

Without becoming too involved in a detailed analysis of traffic functions, traffic management may be considered the planning, procurement, and utilization of transportation services to the best possible advantage. This concept implies that, although the cheapest form of transportation is desirable, cost frequently must be accorded less consideration than obtaining the most efficient service utilized in the most effective manner possible. The cost of air express is cheap, indeed, if used to unjam a stalled assembly line. The industrial traffic manager, in consequence, is interested in obtaining the lowest overall cost consistent with the needs of his firm. His job is to give the transportation business of his company to the carrier that meets his requirements from both the cost and service standpoint. The military services, however, must conform to certain principles both specified in regulations and implied, which complicate somewhat the performance of traffic functions.

Within the sphere of operational activities, the industrial traffic manager is privileged to show as much preference as he desires to the carrier that provides him with the rates and services he demands; the uniformed traffic manager, however, is forbidden to extend preferential treatment to any particular mode of transportation. The private corporation may utilize the services not only of railroads generally, but the services of a specific railroad. The military services must treat all carriers and modes of transportation as impartially as practicable. In addition, the military as a matter of policy avoids competition with commercial carriers.

The use of military-owned or operated transportation facilities for line-haul operation is permitted only when commercial services are either unobtainable or clearly inadequate.

In exercising traffic management functions within the scope of these limitations, each of the three services has developed a modification of the management concept tailored to individual needs. Generally, the problems are the same: Impartial treatment of all modes of transportation, non-competition with commercial carriers, and the requirement that the Government—and the taxpayer—must be provided with the most service for the transportation dollar.

The Single Manager Concept

Centralization of control, as a principle of organization, is by no means new. The tacticians learn early that unity of command is one of the basic means by which success is achieved on the battlefield; in conformity with this military axiom, the Transportation Corps has endeavored to maintain firm supervisory control while permitting operating agencies of the Department of the Army the freedom and discretion to perform their jobs. Even beyond the specific field of traffic management, the obvious economies to be obtained by consolidating various functions frequently impels efforts at unification. Continuing reductions in per-

sonnel, facilities, and budgetary allotments have made the achievement of operating economies of paramount importance.

The "Single Manager" concept, which assigns to a specific individual or agency responsibility for a complete cycle of supply or service, was designed to maintain operating effectiveness in conjunction with maximum operating economy. The general idea of assigning traffic management for all armed services to the Army was considered at length over seven years ago; but not until 1 July 1956 were the several approaches to the overall problem of traffic management presented by the military departments reconciled. On that date, the single manager for military traffic management became an organizational reality with the establishment of the Military Traffic Management Agency.

The new Agency faces tasks of truly heroic proportions. Within the Department of Defense, traffic management activities formerly occupied the attention of approximately 1400 persons in sixteen fields and five headquarters organizational units, at a total expense of \$7,500,000—not including personnel required to perform traffic management activities at the installation level. Extensive duplication of effort was virtually unavoidable with the accompanying lack of economy at all echelons of command.

One of the first problems faced in assigning the single manager responsibility was the selection of the appropriate "home" service. The choice, in this case, was obvious. The Army offered in its Transportation Corps an organization both highly experienced in all phases of traffic management and possessed of a clearly defined group of career specialists in the field. In response to the mandate from the Secretary of Defense, the Secretary of the Army—designated as the Single Manager for Traffic Management—directed the Chief of Transportation to establish an operating organization to be known as the Military Traffic Management Agency.

MTMA, as a Class II activity under the Chief of Transportation, is to assume all cost, management, and service functions of traffic management within the continental United States that had formerly been provided by the Army's Transportation Corps; the Navy's Bureau of Supplies and Accounts, and Bureau of Personnel; the Supply Department of the Marine Corps; and the Air Materiel Command of the Air Force. Shipping functions of a local nature will continue to be performed by individual installations subject to MTMA regulations and technical supervision.

A significant distinction has been made between traffic management and movement control. Formerly in the Army, the two terms were virtually synonymous; but no longer. Movement control remains with each military department in determining what is to be moved, destinations, and time schedules; but traffic management—the how, or means by which these movements are to be made—rests with MTMA.

Within the Department of Defense, the impact of MTMA was far-reaching. The emergency planning missions of the Joint Land Transportation Agency were assumed by the new organization. The number of field traffic agencies was reduced from sixteen to but eight, and the number of headquarters elements from five to one. The total effect of the MTMA organization is to achieve a complete integration of all headquarters and field traffic management functions of the three military departments within the Department of Defense.

Problems of Coordination

The armed forces of the nation face tasks which carry their activities into all corners of the globe. Coordination of the requirements of the three military departments for transportation within the United States is complicated not only by the differing missions of the services, but by the vast magnitude and variety of requirements that must be met. The Transportation Corps has always felt that those with whom it dealt and for

whom transport service was provided were customers in as close to the commercial sense of the term as possible. The inter-service nature of MTMA brings the customer-supplier relationship into even sharper focus in expanding the "market," or the number of persons to be served, and in meeting a multitude of needs.

The Agency, of course, will have direct contact with its customers. Channels of responsibility have been established reaching from the Agency through the Chief of Transportation, the Deputy Chief of Staff for Logistics, and the Assistant Secretary of the Army (Logistics) to the Single Manager in the person of the Secretary of the Army; but the closest possible contact is maintained with all services so that traffic management functions may be immediately responsive to individual service needs. The staffing of headquarters and regional offices of MTMA with both military and civilian personnel of all services makes such contact easier.

The organizational concept of MTMA does not correspond exactly to either the Military Sea Transportation Service or the Military Air Transport Service. MATS and MSTs, in their respective areas of air and sea transportation, serve both as coordinating agencies and as actual carriers supplying particular transportation service.

In effect, gathering traffic management activities into a single sheaf of responsibilities as signed to MTMA authorizes the Agency to procure transport services within the United States rather than to provide such service itself.

In addition, MSTs and MATS perform a service that may be regarded as global in nature, while MTMA is limited in that its traffic management responsibilities do not extend outside the country. Overseas traffic management remains a theatre command responsibility. The Agency does, however, maintain close liaison with MATS and MSTs not only in the interests of coordinated action in solving the transport requirement problems of the Department of Defense, but to ensure the most efficient and economical utilization of such services.

MTMA Functions

The duties of an industrial traffic manager are so varied and complex that the scope of his activities frequently warrants placement at the highest managerial level. The duties of MTMA, involving as they do movements of commodities and personnel which cut across normal commercial traffic patterns, are staggering. MTMA must carry out traffic management functions formerly performed by the several military departments involving the procurement and use of commercial transportation. With almost two million dollars worth of commercial transport service being used daily within the armed forces, the magnitude of the task becomes apparent.

Service and economy have become the watchwords of the Agency. Over 40 per cent of the federal budget has been devoted to national defense, and no small portion of this amount must be used in meeting transportation costs. The utmost vigilance is vital in securing the most for the taxpayer's transportation dollar, while service is inseparable from operational efficiency and economy.

The normal functions of the commercial traffic manager are, however, but one of the major areas of responsibility assigned to MTMA. The peacetime requirements of the military departments are difficult enough to meet; but the Agency must also be prepared to meet the truly astronomical requirements of a wartime economy. A private corporation is able to estimate with a fair degree of precision the exigencies it expects to face in the foreseeable future, and the limits to which it can expand to meet them. The military forces of our nation, on the other hand, must not only meet current and foreseeable requirements, but situations which may never arise. These projected requirements have been considered by building into the organizational structure of the Agency an ability to expand to meet them.

Another area of responsibility is occasionally reflected in the duties of the industrial traffic manager. Many private firms have entered the field of private carriage by providing their own means of transportation. Although the armed forces also own or control a significantly large quantity of transport facilities—ranging from civilian-type sedans to aircraft and post utility railroads—competition with comparable civilian carriers is avoided. Only in time of war, or when available commercial facilities are unable to meet military requirements, may such military-owned surface transportation be employed to supplement that available from commercial sources. MTMA, in consonance with the general concept of consolidating the management of traffic activities in a single agency, is charged with planning for the use, control, and, when appropriate, the operation of such military transport facilities.

An important secondary mission of any military organization involves training for current personnel needs and emergency requirements. MTMA is, in consequence, prepared to discharge training responsibilities not only for the needs of the Agency itself, but for the departments it serves. Although the Agency will be primarily civilian in composition, approximately 10 per cent of the assigned personnel spaces will be military, partially to fulfill this training mission, and partially to staff positions which either by law or the nature of the duties required must be filled by uniformed personnel. The Agency will review the traffic management curricula of the various service schools providing such instruction. In addition, both military and civilian personnel of the Agency will receive further training by attending courses at service schools or selected colleges and universities, and through internships with private industry.

Role of MTMA

MTMA has the distinction of being the first instrument through which the single manager concept is being applied to services instead of commodities. The ultimate success of this foray into a service field will depend primarily on the ability of the Agency to function as a key link in the logistical channels of each military department. In effect, MTMA in traffic management must be all things to all services if it is to achieve the expected operating economies. In this respect, the mission of the Agency is not only complex but multi-dimensional as well in providing a service to many organizations of widely divergent characteristics and needs.

The regulations and procedures of the various military services have been analyzed; separate departmental regulations will be replaced by a single series of Military Traffic Management Regulations applicable to all services. These regulations are designed for the promulgation of policy and instructions in non-technical language. Other publications will be used to provide professional guidance and instruction in the technical operating aspects of traffic management assigned either to the military services or to the MTMA field offices.

The printed word is to be supplemented by personal visits to operating agencies not only of the Agency itself, but also to the local installations of the departments which perform essentially shipper functions. These staff visits are designed to furnish specialized on-the-spot assistance and to ensure that assigned traffic management responsibilities are being discharged efficiently and economically.

In extending the single manager plan into the common service field generally, and to traffic management specifically, Secretary of Defense Wilson announced:

The clear purpose of this extension is to promote increased economies in the utilization of manpower, materiel, and services. . . . The feasibility of further extension of this management technique will be determined later after careful study of possible savings and the advantages and disadvantages of this type of

—Continued on page 29

Procurement Directory

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CLASSIFICATION

Army Quartermaster, Naval, and Air Force General Supplies, Food, Fuel, Clothing, Packaging & Shipping Materials, Recreational Equipment, etc. 23
Engineer Equipment and Construction Supplies 24
Ordnance, Weapons, Machinery, Vehicles, Accessories and Supplies 25
Military Aviation—Air Force, Naval, Army, Marine Corps and Coast Guard 26
Naval Stores and Misc. Supplies for Navy Yards and Stations 26
Army and Air Force Exchanges and Ships Services Stores Supplies 27
Medical and Dental Supplies, Hospital Equipment 27
Signal and Communication Supplies and Equipment 28
Electronic and Guided Missile Components 28

Army Quartermaster, Naval and Air Force General Supplies, Food, Fuel, Clothing, Packaging and Shipping Materials, Recreational Equipment, Etc.

FLEXKIN, Reg. T.M., Moisture Vapor Barrier Materials
ACMETEX, Reg. T.M., Coated and Laminated Fabrics
ACME BACKING CORPORATION
Canal & Ludlow Streets
Stamford, Connecticut

JON-E Hand Warmers; JON-E (Heated) Muff; JON-E (Heated) Body Belt; JON-E Fluid. Jon-e products give heat without flame . . . keep Servicemen WARM in the coldest weather. Write for details.
ALADDIN LABORATORIES, INC.
620 So. 8th Street
Minneapolis, Minnesota

GILSULATE—Conduit system for hot underground pipes.
AMERICAN GILSONITE COMPANY
134 West Broadway
Salt Lake City, Utah

Angostura Aromatic Bitters; Wuppermann Grenadine; Wuppermann Dry-Lemon Powder; Roby's Barbecue Sauce.
THE ANGOSTURA-WUPPERMANN CORPORATION
157 Chambers Street
New York, New York

Water Softener Zeolites; Resinous and Siliceous—Rezzone, Aridzone, and Blu-22.
ARIZONA MINERALS CORPORATION
P. O. Box 270
Yuma, Arizona

Bags—Multiwall and Specialty Paper, Cellophane, Glassine and Plastics.
ARKELL AND SMITHS
1957 Mill Street
Canajoharie, New York

"SELF-OPERATING DOORS" (Store & Office Bldg.) Mat, Radio and Electric-Eye Controlled.
Automatic Warehouse Doors and Gate Operators.
"DOORCO"
Div. of Automation Laboratories
114 E. Roosevelt
Phoenix, Arizona

Carton Closure Equipment — Manual and Electric; Label Moisteners — Gummed; *Sealers—Gummed and pressure tape; Dispensers—with coding attachment; Label Pastors.
***Contract GS-OOS-2937**
BETTER PACKAGES, INC.
Shelton, Conn.

Coat, suit, dress, skirt and trouser hangers.

BEVERLY COAT HANGER COMPANY
500 Indiana Street
San Francisco 7, California

Steel Shelving & Benches; Automotive Bins; Steel Office Cabinets; Steel Hat & Coat Racks; Contract Stamping & Fabricating
BORROUGHS MANUFACTURING CO.
3000 N. Burdick Street
Kalamazoo, Michigan

Fuel Filtration Equipment; AVGAS & Jet Fuel Filters & Water Separators; Air/Line Filtration Equipment; Lubricating Oil Filtration Equipment; Hydraulic Oil Filtration Equipment.
THE BRIGGS FILTRATION COMPANY
River Road
Washington 16, D. C.

Precoated stock for metal ends for shell packaging AXS-829; Precoated metal for sidewalls and ends rocket & fuse containers; Predecorated metal for food cans. JAN-L-73
CASPERS TIN PLATE COMPANY
4100 W. 42nd Place
Chicago 32, Illinois

Chaffee Rotor-Sealers, Heat Sealing Approved Machines.
RALPH CHAFFEE & COMPANY
2360 Market Street
San Francisco, California

Textile Preservatives—Fire, weather, water and mildew resistant compounds to meet government specifications.
CHAMPION PACKAGED PRODUCTS, INC.
5941 S. Archer Avenue
Chicago 38, Illinois

Plastic Components—custom molded; Plastic Knobs and Handles; Plastic Sheet and Film—Campco; Plastic Dinnerware — Cloverlane; Plastic Tote Boxes.

CHICAGO MOLDED PRODUCTS CORP.
1050 N. Kolmar Avenue
Chicago 51, Illinois

CIRCUL-AIR Fire Hose Dryers; CIRCUL-AIR Fire Hose Washers; CIRCUL-AIR Hose Storage Racks.
THE CIRCUL-AIR CORPORATION
575 E. Milwaukee
Detroit 2, Michigan

CODE MARKING TAPE for wire identification.
COUGHLIN MANUFACTURING COMPANY
697-699 E. 132nd Street
New York 54, N. Y.

Big Boy Air Pumps.
THE DALTON FOUNDRIES, INC.
Lincoln & Jefferson
Warsaw, Indiana

Electric Steam & Dry Irons; Electric Cooker-Fryer-Roasters; Fully immersible Electric skillets & Sauce Pans; Fully immersible Electric griddles; Electric cooking appliances.
EASTERN METAL PRODUCTS CORPORATION
135 Marbledale Road
Tuckahoe 7, New York

Steel Galvanized Link Floor Mats; Rubber Link Floor Mats; Wood Link Floor Mats; Rubber Fabric Floor Mats (Tire); Leather Floor Mats.
SAMUEL FURNESS MAT COMPANY, INC.
731 Lehigh Avenue
Union, New Jersey

Offset Paper; Envelopes; School Supplies; Printing paper; Packaging and Packing paper.
GARRETT-BUCHANAN CO.
12-26 So. 6th Street
Philadelphia 6, Pa.

BULK PACKAGES designed for domestic or overseas shipments; Wood barrels, Fibre drums, Light gauge steel drums, Plywood drums and Corrugated boxes, to specification.

THE GREIF BROS. COOPERAGE CORPORATION
Delaware, Ohio

Model 10 SPINAWAY Trimmer; Model 18 SPINAWAY Trimmer-Mower; Model 20 SPINAWAY Rotary Mower; Model 26 Heavy-Duty SPINAWAY Mower; Model 31 Heavy-Duty SPINAWAY Mower.
HAL-GAN PRODUCTS, INC.
13000 Blue Mound Road
Elm Grove, Wisconsin

Material Handling Vulcanized Fibre Tote Boxes; Bakery Storage Reusable Tote Boxes; Locker Boxes; Tapered Nesting & Stacking Boxes; Stacking Boxes and trays.

HARNEL FIBRE BOX COMPANY
934 Baraga, N.E.
Grand Rapids 3, Michigan

FLOUR
For fast, efficient delivery of the most complete line of spring, hard winter and soft wheat bakery flours including Special High Gluten Flours Gold Coin Rye Flours Bohemia Clear Flour Whole Wheat Flour Velvet Cake Flour

INTERNATIONAL MILLING COMPANY
General Offices: Minneapolis 2, Minnesota
FE 6-7751

REGIONAL OFFICES

ATLANTA Room 435, 1401 Peachtree St. BOSTON 177 Milk Street CHICAGO 4100 Madison Street DETROIT 323 E. Atwater St. GREENVILLE 3001 Bois D'Arc, P.O. KANSAS CITY 1725 Armour Road NEW YORK 99 Park Avenue PITTSBURGH 1320 Penn Avenue	TR 4-2224 LI 2-4175 VA 6-6463 WO-5-1515 GL 5-3770 #1046 GR 1-4900 MU 2-7690 AT 1-8861
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Commercial lighting; special lighting equipment and lighting fixtures, and glassware for replacement; special glass items and novelties; lamp shades, bases, etc.; specimen jars; and advertising globes; aviation running lenses.
JEANNETTE SHADE & NOVELTY CO.
Jeannette, Penna.
Phone Lafayette 3-5567

Kasenit Surface Hardening Compound; Keepbryte Anti-Scaling Compound. For steel and wrought or cast iron.
KASENIT COMPANY
3 King Street
Mahwah, New Jersey

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.

LAWTER CHEMICALS, Inc.
Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

KNOCKDOWN Wood Bleachers; FAST LOCK Portable Steel Bleachers; Steel Grandstands (Elevated & Non-Elevated); Permanent Stadium; Free catalog.

LEAVITT BLEACHER CO.
208-320 Griggs—Box 33
Urbana, Illinois

'Star-Line' FLY SWATTERS; 'Hawkeye' (all-wire) Wiener Forks.
LUBBERS & BELL MANUFACTURING CO.
PO Box 489
86-14th Avenue North
Clinton, Iowa

WOOD ROLLERS; For moving machinery and equipment.
A. MARTIN SONS, INC.
12 Linden Street
Passaic, New Jersey

Vinyl Upholstery materials available in stock to meet Federal Specifications. (Masland Duran)
Masland Duran Clad, Semi-Rigid Vinyl for lamination to steel and aluminum. Masland Duran Rigid Vinyl sheets for vacuum forming.

THE MASLAND DURALEATHER COMPANY
Dept. ANJ, Amber & Willard Streets
Philadelphia 34, Pa.

Durkee's Margarine; Nu-Maid; Durkee's Salad Dressing; Durkee's Mayonnaise and Durkee's Sandwich Spread.
MIAMI MARGARINE COMPANY
5226 Vine Street
Cincinnati 17, Ohio

WIREBOUND BOXES and CRATES; Pallet boxes.
T. R. MILLER MILL CO., INC.
Deer Street
Brewton, Alabama

Printers, Hard Foundry Type; Printers Quads and Spaces; Printing Presses; Paper Cutters; Printing Supplies.
MISSOURI CENTRAL TYPE FOUNDRY
703-711 E. Murdock Ave.
P.O. Box 2066
Wichita 1, Kansas

Plates; Surface; Granite.
MOJAVE GRANITE COMPANY
1451 Miller Avenue
Los Angeles 63, Calif.

1500 Watt 16 MM Voltage Booster; 16 MM Projector Stand; Playground Swing Rings; Changeable 4"-30" Sign Letters; 3000 Std. Metal Signs.
NORPAT SALES, INC.
630 Ninth Avenue
New York 36, N. Y.

Maps; Globes; Charts; Models; Map and Chart mounting service.
A. J. NYSTROM & CO.
3333 N. Elston Avenue
Chicago 18, Illinois

O-CEL-O Cellulose Sponges—Sizes for Every Cleaning Need; Chem-O-Cel Plastifoam Impregnated Car Cleaner for Cleaning Vehicles and Equipment; Chem-O-Cel Rug & Upholstery Cleaner; Urethane Foam Products.

O-CEL-O
Division of General Mills
1250 Niagara Street
Buffalo 13, New York

Automatic Dishwashers; Rinse Cabinets.
PETERS-DALTON, INC.
17900 Ryan Road
Detroit 12, Michigan

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Army Quartermaster, Naval and Air Force General Supplies, Food, Fuel Clothing, Recreational Equipment Etc.

(Continued)

Stapling machines and staples for over steel strapping and crating applications; Portable nailing machines.

POWER LINE SALES, INC.
17630 W. Seven Mile Road
Detroit 35, Michigan

Oil Burning Space Heater (per Govt. Specs.) Gas Ranges; Electric Ranges; Gas Heaters.

PREWAY, INC.
1430 Second St., No.
Wisconsin Rapids, Wis.

Adjustable steel shelving for commissaries and self-service supply centers; Gondolas, End Displays; Wall Shelving, Check-outs.

PROCTOR SHELVING
Division of Proctor & Schwartz, Inc.
7th St. & Tabor Road
Philadelphia 20, Pa.

Cock, Shut-Off Ground Key, MiL-D-1203-A

Cock, Drain Ground Key, MiL-D-1203-A

THE ROBERTS BRASS MANUFACTURING CO.
Box 307
Mitchell, Indiana

Model 1000 Spartan Electric Sewer Cleaning Machine; Model 100 Spartan Rod-O-Matic; Model 600 Spartan Electro-Rod (sink and soil line cleaning machines); Model 700 Spartan Electric drain cleaner; Sewer Rods (with and without inner-core).

SPARTAN TOOL COMPANY
1918 W. Columbia
Chicago 26, Illinois

AERO BRAND INKS — Rubber Stamp; Numbering Machine; Laundry; Opaque (for metal stamping); Meat Branding; Marking and stenciling Mfgs.

SPECIALTY INK CO., INC.
1011 East 46th Street
Brooklyn 3, New York

Acid Pumps.
THOMPSON MANUFACTURING COMPANY, INC.
152 W. 12th Street
Erie, Penna.

Steel pipe; Steel Tubing; Pipe fittings; Fabricated piping; Valves.

TIOGA PIPE SUPPLY CO., INC.
Tulip & Tioga Streets
Philadelphia 34, Pa.

Propane and Gasoline Torches; Propane and Gasoline Firepots; Propane Lanterns; Propane Campstoves; Propane Halide Leak Detectors.

THE TURNER BRASS WORKS
821 Park Avenue
Sycamore, Illinois

Grease Fittings; Grease Guns; Hydraulic Hose; Grease Hose, Screw Machine Products.

UNIVERSAL LUBRICATING SYSTEMS
743 Allegheny Avenue
Oakmont, Penna.

Machines to apply aluminum closure; Fasteners to close plastic bags.

VAC-TIE FASTENERS INC.
1140 E. Jersey Street
Elizabeth, New Jersey

Drapery Hardware; Traverse Rods; Cafe Rods; Curtain Rods.

WESTERN NEWELL MANUFACTURING CO.
915 S. Arcade
Freeport, Illinois

Engineer Equipment and Construction Supplies

Lightning Rods; Lightning Protection Installations.

AETNA PROTECTION CO.
Manufacturers
100 Race Street
Meadville, Penna.

AIRPLACO Bondactor & Nucetor Concrete & Refractory Guns; AIR-PLACO Mix-Elevator, the Proportioning Dry Mixer; B-6 Jet-Blaster for sand-blasting; G-6 Grouter for pressure Grouting.

AIR PLACEMENT EQUIPMENT COMPANY
1000 W. 24th Street
Kansas City 8, Missouri

Residential Cooling Fans; Automatic Ceiling Shutters; Utility Exhaust Fans; Industrial Ventilating Fans; Wall Shutters, Automatic & Electric

AMERICAN COOLAIR CORPORATION
3604 Mayflower Street
Jacksonville 3, Florida

GILSULATE—Conduit system for hot underground pipes.

AMERICAN GILSONITE COMPANY
134 West Broadway
Salt Lake City, Utah

Overhead Conveyors; Tow Conveyors; Slat Conveyors; Processing Conveyors; Specially Engineered Systems.

ANCHOR STEEL & CONY. CO.
4906 Kingsley Avenue
Dearborn, Michigan

Brake Drum Lathes; Brake Reliners; Brake Lining Surfacters; Brake Tools and Supplies; Brake Bleeder Tanks.

BARRETT EQUIPMENT COMPANY
21st and Cass
St. Louis 6, Missouri

Crushed limestone for all purposes.

BLUE RIDGE STONE CORPORATION
Box 2459
Roanoke, Virginia

Fuel Filtration Equipment; AVGAS & Jet Fuel Filters & Water Separators; Air/Line Filtration Equipment; Lubricating Oil Filtration Equipment; Hydraulic Oil Filtration Equipment.

THE BRIGGS FILTRATION COMPANY
River Road
Washington 16, D. C.

Overhead Cranes and Hoists; Pressure Containers; Aircraft Engine Removal Hoists; Barometric Draft Controls.

CONCO ENGINEERING WORKS
Mendota, Illinois

Piston Rings, Cast Iron; Piston Rings, Bronze; Packings, metallic for compressors; Packings, metallic for marine service

C. LEE COOK CO.
916 South 8th St.
Louisville 3, Kentucky

Road Asphalt; Roofing Asphalt; Waterproofing Asphalt; Asphalt Specialties; Asphalt Roofing.

DEL-VAL ASPHALT CORPORATION
Edge Moor
Wilmington, Delaware

Magnetic Grip-Shields; Grippys; Giant Grippys; Magnetic Nozzle Holders; Machine Tool Guards.

THE DILLEY MANUFACTURING COMPANY
1644 Doan Avenue
Cleveland 12, Ohio

Compression and Flexure Testers for Concrete Cylinders — Pipe — Blocks — Beams.

FORNEY'S INC. TESTER DIV.
P. O. Box 310
New Castle, Pa.

Compressors and Vacuum Pumps; Pneumatic Conveyors; Unloaders for Bulk Portland Cement.

FULLER COMPANY
Fuller Building
Catonsville, Pennsylvania

"Impervo" Chemical and Floor Brick; Quarry Tile; Ceramic Glazed Brick and Tile; Red and Buff Face Brick.

HANLEY COMPANY
One Gateway Center
Pittsburgh 22, Pa.

Junction-Pull Boxes, NEMA IV, VII; Explosion Boxes, NEMA VII; Circuit Breakers, NEMA IV, VII; Motor Starters, NEMA IV, VII; Hinged Cabinets, NEMA IV, VII.

HOPE ELECTRICAL PRODUCTS CO.
24 Central Avenue
Hillside, New Jersey

Catalog available; Double-hung Window Units (All-Wehr); Panel Windows (Stack); Sliding Doors; Door Units (Frame-N-All); Kitchen Cabinets.

IDEAL COMPANY
24th & Mary Streets
Waco, Texas

Commercial lighting; special lighting equipment and lighting fixtures, and glassware for replacement; special glass items and novelties; lamp shades, bases, etc.; specimen jars; and advertising globes; aviation running lenses.

JEANNETTE SHADE & NOVELTY CO.
Jeannette, Penna.
Phone Lafayette 3-5567

Dust Collectors; Dust collecting systems; Fume control systems; Fans, Blowers & Exhausters.

G. A. KLEISSLER COMPANY
126 Gotthart Street
Newark, New Jersey

"Flur-o-Locks", for locking fluorescent lamps; Disposal for used Fluorescent lamps.

LADUBY COMPANY, INC.
Post Road
Branford, Conn.

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.

LAWTER CHEMICALS, Inc.
Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

Arc Welding Equipment; Arc Welding Electrodes; Automatic Arc Welding Equipment; Battery Chargers; Electric Motors.

THE LINCOLN ELECTRIC COMPANY
22801 St. Clair Avenue
Cleveland 17, Ohio

WOOD ROLLERS; For moving machinery and equipment.

A. MARTIN SONS, INC.
12 Linden Street
Passaic, New Jersey

Wire rope blasting mats; Manila rope blasting mats.

MAZZELLA BLASTING MAT CO., INC.
411 Faile Street
New York 59, N. Y.

Green Streak-Soldering Flux; Tin-Kwik compound cleans & tins in one operation; Memeco Spec. Stainless Steel Flux.

METAL MENDING PRODUCTS, INC.
5530 W. Center St.
Milwaukee 10, Wisconsin

Movable Steel Partitions; Movable Steel & Glass Partitions; Glazed Railing; Low Railing; Closet Sliding Doors.

MONNING STEEL PARTITIONS, INC.
58-80 b 56th Street
Maspeth 78, New York

CALCULATORS FOR HEATING by Air Change Method, use BTU and Area & Volume Calculator; by the Crackage method, use the Btuh and Area & Crackage Calculator; Also for figuring Electrical Heating loads, reading in Watts, the New Electrical Heat Load Calculator. Write for literature.

PAUL S. MORTON ENGINEERING SERVICE
5127 Meadowlark Lane
Kalamazoo, Michigan

Testing Laboratory — for testing and certification of materials. Laboratory Equipment.

NATIONAL SPECTROGRAPHIC LABORATORIES, INC.
6300 Euclid Ave.
Cleveland 3, Ohio

WELD + ENDS; (Pipeline safety welding coupling).

THE PIPE LINE DEVELOPMENT CO.
5700 Detroit Avenue
Cleveland 2, Ohio

PANELBLOC gas fired infra red radiant heaters; THERMOBLOC direct fired heavy duty oil or gas fired space heaters.

PRAT-DANIEL CORPORATION
Thermobloc Division
2 Meadow Street
So. Norwalk, Conn.

Prehy Concrete Guns; Prehy Grouters; Prehy Concrete Placers; Prehy Jam Plugs; Prehy Concrete Placing Auxiliary Equipment

PREHY COMPANY
420 Lexington Avenue
New York 17, N. Y.

Oil Burning Space Heater (per Govt. Specs.) Gas Ranges; Electric Ranges; Gas Heaters.

PREWAY, INC.
1430 Second St., No.
Wisconsin Rapids, Wis.

Stepping Switches; Telephone Relays; Motor Starters; Solenoids; Relays — Electrical & Electronic.

RELAY SALES, INC.
Box 184-J
West Chicago, Illinois

"HYLA" water purifier; "SABRO" Portable water analysis lab.; Heat treat furnaces, all types; Refining rare earths & metals; Design and development.

SALEM-BROSIOUS, INC.
Arch Street Extension
Carnegie, Penna.

McCarthy Vertical Auger Drills; McCarthy Horizontal Auger Drills; McCarthy Trench Type Auger Drills. Augers 1" to 60" diameter, any length cutting heads to match. Special earth boring machines horizontal and vertical.

THE SALEM TOOL COMPANY
767 S. Ellsworth Avenue
Salem, Ohio

Segal Jimmy-proof and standard locks, latches; Norwalk builders hardware; Door-checks; Key-machines & parts; Cylinders & Keys.

LOUIS SEGAL CORPORATION
395 Broadway, N. Y. 13, N. Y.
DI: 9-4585

Bulldozer, Scraper Blades; Grader Blades; Bucket Lips; Snow-Plow Blades; Hopper type salt & Sand Spreaders.

SHUNK MANUFACTURING COMPANY
1460 Auto Avenue
Bucyrus, Ohio

Engineer Equipment and Construction Supplies (Continued)

Furnaces, package type, ductless; Steam Cleaners, boiler type; ASME Electric Steam Boilers; Immersion type water heaters, — (electric, oil, gas, wood & coal).

SIEBRING MANUFACTURING CO.
South Main
George, Iowa

KINDORF channel and fittings for light structural frameworks; KINDORF cable supports and surface raceway; KINDORF pipe and conduit hangers; STEEL CITY conduit clamps and insulator supports; STEEL CITY switch boxes, outlet boxes, and fittings.

STEEL CITY ELECTRIC CO.
2127 Wilson Avenue
Pittsburgh 33, Pa.

Steel pipe; Steel Tubing; Pipe fittings; Fabricated piping; Valves.

TIOGA PIPE SUPPLY CO., INC.
Tulip & Tioga Streets
Philadelphia 34, Pa.

Crushed Granite for all purposes.

TREGO STONE CORPORATION
Box 2459
Roanoke, Virginia

Propane and Gasoline Torches; Propane and Gasoline Firepots; Propane Lanterns; Propane Campstoves; Propane Halide Leak Detectors.

THE TURNER BRASS WORKS
821 Park Avenue
Sycamore, Illinois

Grease Fittings; Grease Guns; Hydraulic Hose; Grease Hose, Screw Machine Products.

UNIVERSAL LUBRICATING SYSTEMS
743 Allegheny Avenue
Oakmont, Penna.

Roll formed metals; Weatherstrips — metal; Screens — metal frame; Light structural shapes; Metal fabrication and assembly.

UNIVERSAL METAL MOULDING COMPANY
729 Allegheny Avenue
Oakmont, (Pittsburgh)
Pennsylvania

Pressure-Fed Paint Rollers; Pipe Painters; Corrugated Steel Rollers; Jumbo Pressure Rollers; Special Pressure Rollers.

WARREN PRESSURE ROLLERS
3015 Southwest Drive
Los Angeles 43, California

Hoisting Machinery and Cable Winches; Sawmill Machinery; Rotary Drilling Machinery; Reciprocating Pumps — Steam and Engine driven.

THE WHELAND COMPANY
Chattanooga, Tennessee

"WILKINSON LINE LOCATOR"
Locates all sub surface installations and determines their depth.

WILKINSON PRODUCTS COMPANY
3987 Chevy Chase Drive
Pasadena 3, California

Ordnance, Weapons, Machinery, Automobiles, Trucks, Accessories and Supplies

Lightning Rods; Lightning Protection Installations.

AETNA PROTECTION CO.
Manufacturers
100 Race Street
Meadville, Penna.

Airguns; Spray Guns; Air Hose Fittings & Couplings

AIR-WAY PUMP & EQUIPMENT COMPANY
1050 N. Kilbourn Avenue
Chicago 51, Illinois

Trailer landing gears—Leveling Jacks, Pintle Hooks, Truck Fifth Wheels; Missile Leveling Jacks.

AUSTIN TRAILER EQUIPMENT COMPANY
Division of West Michigan Steel Foundry Co.
1148 W. Western Avenue
Muskegon, Michigan

Ordnance Devices; Guided Missiles; Airframe Structure; Ground Radar Systems; Air Weapons Systems; Air Traffic Control Systems; Instl. & Maintenance Services.

AYCO MANUFACTURING CORPORATION
Crosley Division
1329 Arlington Street
Cincinnati 25, Ohio

Automatic Printing Presses; Special Automatic Machinery; Cartridge Machinery; Precision parts manufacturing Tools, Jigs, Fixtures, Gages.

BANTHIN ENGINEERING COMPANY
1849-57 Main Street
Bridgeport 4, Conn.

Brake Drum Lathes; Brake Reliners; Brake Lining Surfacers; Brake Tools and Supplies; Brake Bleeder Tanks.

BARRETT EQUIPMENT COMPANY
21st and Cass
St. Louis 4, Missouri

20 MM, Gun, Automatic; Precision regulated & unregulated Trans. Rectifiers for airborne & Ground Power Application; Prec. Voltage Reg. for Aircraft alternators and motor generators; Speed Positioning device; Ordnance Quality Mach. Work.

CLINE ELECTRIC MANUFACTURING CO.
3405 W. 47th Street
Chicago 32, Illinois

Stainless Steel Fabrication; Sheet Metal Fabrication; Machine Shop Work; Foundry Facilities; Erecting Facilities.

COCKER MACHINE & FOUNDRY COMPANY
Gastonia, North Carolina

Overhead Cranes and Hoists; Pressure Containers; Aircraft Engine Removal Hoists; Barometric Draft Controls.

CONCO ENGINEERING WORKS
Mendota, Illinois

Automatic Engine Starting Controls; Safety, Stop and Alarm Sets; Over-speed Relays; Over & Under Frequency Relays; Engine Driven Fire Pump Controls.

CUSTOM BUILT CONTROLS, INC.
661 Delaware Street
Denver 4, Colorado

Big Boy Air Pumps.

THE DALTON FOUNDRIES, INC.
Lincoln & Jefferson
Warsaw, Indiana

Broaching Machines—all Types; Hydraulic Presses; Broach Tooling; Broaches; Special Equipment.

DETROIT BROACH & MACHINE CO.
950 S. Rochester Road
Rochester, Michigan

Magnetic Grip-Shields; Grippys; Giant Grippys; Magnetic Nozzle Holders; Machine Tool Guards.

THE DILLEY MANUFACTURING COMPANY
1664 Doan Avenue
Cleveland 12, Ohio

Air cleaners both oil bath and dry; Air cleaner accessories—mufflers.

DONALDSON COMPANY, INC.
666 Palham Blvd.
St. Paul 14, Minn.

PROCUREMENT DIRECTORY

The companies listed in this Directory are able and eager to provide materials and services for National Defense.

Service purchasing officers are respectfully urged to enlist their help in solving military procurement problems.

Exide-Ironclad Batteries; Exide-Manchex Batteries; Exide-Tytex Batteries; Exide Emergency Lighting Systems; Exide Lightguard.

EXIDE INDUSTRIAL DIVISION
The Electric Storage Battery Co.
42 S. 15th Street
Philadelphia 2, Pa.

Gear Shapers; Gear Shaper Cutters; Gear Inspection Equipment; Gear Shaving Machines; Shaving Tools.

THE FELLOWS GEAR SHAPER CO.
78 River Street
Springfield, Vermont

Aircraft Instruments — Communication Equipment — Data Processing Systems — Complex Mechanical, Electrical, and Electronic Systems — Research, Development and Volume Manufacturing Available in above Fields.

FRIDEN CALCULATING MACHINE CO., INC.
2350 Washington Avenue
San Leandro, California

Colloidal graphite forging compounds; Assembly & run-in compound for reconditioning; Crane no-drip lubricant; Oil & Gas additive for trucks & autos; Speed reducer additive.

GRAFO COLLOIDS CORPORATION
310 Wilkes Place
Sharon, Penna.

BULK PACKAGES designed for domestic or overseas shipments; Wood barrels, Fibre drums, Light gauge steel drums, Plywood drums and Corrugated boxes, to specification.

THE GREIF BROS. COOPERAGE CORPORATION
Delaware, Ohio

Model 10 SPINAWAY Trimmer; Model 18 SPINAWAY Trimmer-Mower; Model 20 SPINAWAY Rotary Mower; Model 26 Heavy-Duty SPINAWAY Mower; Model 31 Heavy-Duty SPINAWAY Mower.

HAL-GAN PRODUCTS, INC.
13000 Blue Mound Road
Elm Grove, Wisconsin

Springs — wire forms — small metal stampings — coil and flat springs.

HARTZ SPRING CO. INC.
209 Elm Street
Holly, Michigan

Engineered space heating systems for vehicles & shelters; Gasoline Heaters—MIL-H-11511A; Multi-fueled Heaters—MIL-H-11511B; Instant Lighting Torches; Gasoline Engine Heater.

HUNTER MANUFACTURING COMPANY
30525 Aurora Road
Solon, Ohio

Fine Pitch Precision Gears; Fine Pitch Racks; Worm Gears; Gear Assemblies; Splines.

INSTRUMENT GEAR WORKS, INC.
4624 N. Oketo
Chicago 31, Illinois

Precision Machining and Assembly of Mechanical and Electro-Mechanical Components for Fire-Control, Computer and Navigational Systems.

JARECKI CORPORATION
Instrument Division
320 Hall Street, S. W.
Grand Rapids 2, Michigan

Hot Cup Cold Draw Process Mortar & H.E. Shells through 90MM; Track Metals for Tank & Half Track Vehicles; Forgings for Pintle Hook, Towing & Lifting Devices for Tanks, Trucks and Trailers; Connecting Rods, Camshafts, & other engine components; Spindles, Hubs, Arms, Universal Joint Forgings.

LANSING DROP FORGE COMPANY
57 Refior Street
P. O. Box 508
Lansing 2, Michigan

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.

LAWTER CHEMICALS, Inc.
Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

Arc Welding Equipment; Arc Welding Electrodes; Automatic Arc Welding Equipment; Battery Chargers; Electric Motors.

THE LINCOLN ELECTRIC COMPANY
22801 St. Clair Avenue
Cleveland 17, Ohio

WOOD ROLLERS; For moving machinery and equipment.

A. MARTIN SONS, INC.
12 Linden Street
Passaic, New Jersey

Vinyl Upholstery materials available in stock to meet Federal Specifications. (Masland Duran)

Masland Duran Clad, Semi-Rigid Vinyl for lamination to steel and aluminum. Masland Duran Rigid Vinyl sheets for vacuum forming.

THE MASLAND DURALEATHER COMPANY
Dept. ANJ, Amber & Willard Streets
Philadelphia 34, Pa.

Auto, Truck, Trailer leaf springs; Auto, Truck, Trailer Torsion Bars; Auto, Truck Trailer Suspension Brackets; Forge & Formed Items from flat bars.

MATHER SPRING COMPANY
939 N. Cove Blvd.
Toledo 10, Ohio

Green Streak-Soldering Flux; Tinkwik compound cleans & tins in one operation; Memeco Spec. Stainless Steel Flux.

METAL MENDING PRODUCTS, INC.
5530 W. Center St.
Milwaukee 10, Wisconsin

Plates; Surface; Granite.

MOJAVE GRANITE COMPANY
1451 Miller Avenue
Los Angeles 63, Calif.

Stepping Switches; Telephone Relays; Motor Starters; Solenoids; Relays — Electrical & Electronic.

RELAY SALES, INC.
Box 184-J
West Chicago, Illinois

Radomes; Minesweeping Floats; Fiberglass Products & Assemblies; Fiberglass Duct Work; Fiberglass & Electronic Assemblies.

THE REPLAC CORPORATION
21830 St. Clair Avenue
Cleveland, Ohio

"HYLA" water purifier; "SABRO" Portable water analysis lab.; Heat treat furnaces, all types; Refining rare earths & metals; Design and development.

SALEM-BROSIOUS, INC.
Arch Street Extension
Carnegie, Penna.

PROCUREMENT DIRECTORY

The companies listed in this Directory are able and eager to provide materials and services for National Defense.

Service purchasing officers are respectfully urged to enlist their help in solving military procurement problems.

Ordnance, Weapons, Machinery, Automobiles, Trucks, Accessories and Supplies (Continued)

Rexarc Automatic Welders and Positioners (Submerged ARC); Rexarc Automatic Welding Wire; Rexarc Hardfacing and Manganese Electrodes; Rexarc Liquiflux, bronze welding, brazing; Sight Feed Acetylene Generators; Sight Feed Acetylene compressing plants, components, supplies.

THE SIGHT FEED GENERATOR CO.

38 E. Third Street
West Alexandria, Ohio

Steel pipe; Steel Tubing; Pipe fittings; Fabricated piping; Valves.

TIOGA PIPE SUPPLY CO., INC.

Tulip & Tioga Streets
Philadelphia 34, Pa.

AN "O" rings & back-up rings; Hydraulic pneumatic packings, leather & synthetic, oil seals, grease retainers, needle bearing seals.

ALBERT TROSTEL PACKINGS LTD.

Lake Geneva, Wisconsin

Winches, Power; Winches, Hydraulic Drive; Reducers, Speed; Take-offs, Power; Transmissions.

TULSA WINCH DIV. OF VICKERS, INC.

815 E. 1st Street
Tulsa, Oklahoma

Grease Fittings; Grease Guns; Hydraulic Hose; Grease Hose, Screw Machine Products.

UNIVERSAL LUBRICATING SYSTEMS

743 Allegheny Avenue
Oakmont, Penna.

Cannon—40MM to 155MM; Recoilless Rifles; Rocket Launchers; Missile Launchers.

THE WHELAND COMPANY

Chattanooga, Tennessee

Military Aviation— Air Force, Naval, Army, Marine Corps and Coast Guard

Pressure Switches; Frequency Meters; Elapsed Time Meters.

AERO INSTRUMENT COMPANY

11423 Vanowen Street
No. Hollywood, Calif.

JON-E Hand Warmers; JON-E (Heated) Muff; JON-E (Heated) Body Belt; JON-E Fluid. Jon-e products give heat without flame . . . keep Servicemen WARM in the coldest weather. Write for details.

ALADDIN LABORATORIES, INC.

620 So. 8th Street
Minneapolis, Minnesota

Creep and Stress Rupture Machines; Rapid Heating Unit; Relaxation Machine; Tensile and Creep Extensometers; Control and Recording Instrumentation.

ARCWELD MANUFACTURING CO.

Liberty Street Extension, P.O. Box 311
Grove City, Penna.

Ordnance Devices; Guided Missiles; Airframe Structure; Ground Radar Systems; Air Weapons Systems; Air Traffic Control Systems; Instl. & Maintenance Services.

AYCO MANUFACTURING CORPORATION

Crosley Division
1329 Arlington Street
Cincinnati 25, Ohio

Automatic Printing Presses; Special Automatic Machinery; Cartridge Machinery; Precision parts manufacturing Tools, Jigs, Fixtures, Gages.

BANTHIN ENGINEERING COMPANY

1849-57 Main Street
Bridgeport 4, Conn.

Brake Drum Lathes; Brake Reliners; Brake Lining Surfacters; Brake Tools and Supplies; Brake Bleeder Tanks.

BARRETT EQUIPMENT COMPANY

21st and Cass
St. Louis 6, Missouri

Fuel Filtration Equipment; AVGAS & Jet Fuel Filters & Water Separators; Air/Line Filtration Equipment; Lubricating Oil Filtration Equipment; Hydraulic Oil Filtration Equipment.

THE BRIGGS FILTRATION COMPANY

River Road
Washington 16, D. C.

Plastic Components—custom molded; Plastic Knobs and Handles; Plastic Sheet and Film—Campco; Plastic Dinnerware — Cloverlane; Plastic Tote Boxes.

CHICAGO MOLDED PRODUCTS CORP.

1051 N. Kolmar Avenue
Chicago 51, Illinois

CIRCUL-AIR Fire Hose Dryers; CIRCUL-AIR Fire Hose Washers; CIRCUL-AIR Hose Storage Racks.

THE CIRCUL-AIR CORPORATION

575 E. Milwaukee
Detroit 2, Michigan

Overhead Cranes and Hoists; Pressure Containers; Aircraft Engine Removal Hoists; Barometric Draft Controls.

CONCO ENGINEERING WORKS

Mendota, Illinois

Magnetic Grip-Shields; Grippys; Giant Grippys; Magnetic Nozzle Holders; Machine Tool Guards.

THE DILLEY MANUFACTURING COMPANY

1664 Doan Avenue
Cleveland 12, Ohio

Air cleaners both oil bath and dry; Air cleaner accessories—mufflers.

DONALDSON COMPANY, INC.

666 Pelham Blvd.
St. Paul 14, Minn.

Aircraft Instruments — Communication Equipment — Data Processing Systems — Complex Mechanical, Electrical, and Electronic Systems — Research, Development and Volume Manufacturing Available in above Fields.

FRIDEN CALCULATING MACHINE CO., INC.

2350 Washington Avenue
San Leandro, California

Compressors and Vacuum Pumps; Pneumatic Conveyors; Unloaders for Bulk Portland Cement.

FULLER COMPANY

Fuller Building
Catasauqua, Pennsylvania

Aerial Mapping Lenses; Aerial Reconnaissance Lenses; Process Lenses; Map Rectifying Optics; Vertoscope negative-reversal viewer.

C. P. GOERZ AMERICAN OPTICAL CO.

461 Doughty Blvd.
Inwood 96, Long Island, New York

Model 10 SPINAWAY Trimmer; Model 18 SPINAWAY Trimmer-Mower; Model 20 SPINAWAY Rotary Mower; Model 26 Heavy-Duty SPINAWAY Mower; Model 31 Heavy-Duty SPINAWAY Mower.

HAL-GAN PRODUCTS, INC.

13000 Blue Mound Road
Elm Grove, Wisconsin

Fine Pitch Precision Gears; Fine Pitch Racks; Worm Gears; Gear Assemblies; Splines.

INSTRUMENT GEAR WORKS, INC.

4624 N. Oketo
Chicago 31, Illinois

Precision Machining and Assembly of Mechanical and Electro-Mechanical Components for Fire-Control, Computer and Navigational Systems.

JARECKI CORPORATION

Instrument Division
320 Hall Street, S. W.
Grand Rapids 2, Michigan

Commercial lighting; special lighting equipment and lighting fixtures, and glassware for replacement; special glass items and novelties; lamp shades, bases, etc.; specimen jars; and advertising globes; aviation running lenses.

JEANNETTE SHADE & NOVELTY CO.

Jeannette, Penna.
Phone Lafayette 3-5567

Metal-Cutting Tools (Carbide); Woodworking Planer Knives (Carbide); Cemented Carbide Wear-Resistant Parts; Titanium Carbide Components for High Temperatures (1800°F and above).

KENNAMEAL INC.

Latrobe, Pa.

Certified Magnalloyed & Heat Treated Air Frame Components, Alloy or Carbon Steel up to 75 lbs.; Machined or Semi-finished Steel Bomb Rack Components; Press or Hammer Forged Aluminum or Magnesium Forgings up to 10 lbs.

LANSING DROP FORGE COMPANY

57 Reflor Street
P. O. Box 508
Lansing 2, Michigan

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.

LAWTER CHEMICALS, Inc.

Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

Complete Line Hardware; AN, MS, NAS, Six Digit; Hydraulic Fittings in all metals; Cable Terminals; Hydraulic hose lines and fittings.

LONG ISLAND AIRCRAFT SUPPLY

56-27 108th Street
Corona 68, New York

Vibration Control Systems; Bonded Rubber Engine Mountings; Electronic Equipment Mountings; Shipping Mountings; Flexible Couplings.

LORD MANUFACTURING CO.

1635 W. Twelfth Street
Erie, Pennsylvania

WOOD ROLLERS; For moving machinery and equipment.

A. MARTIN SONS, INC.

12 Linden Street
Passaic, New Jersey

Green Streak-Soldering Flux; Tinkwik compound cleans & tins in one operation; Memeco Spec. Stainless Steel Flux.

METAL MENDING PRODUCTS, INC.

5530 W. Center St.
Milwaukee 10, Wisconsin

Testing Laboratory — for testing and certification of materials. Laboratory Equipment.

NATIONAL SPECTROGRAPHIC LABORATORIES, INC.

6300 Euclid Ave.
Cleveland 3, Ohio

Edge Lighting Mil-P-7788; Plexiglass & Vinyl Laminating; Mechanical Engraving on Metals — Plastics — Dials; Stencils cut & stencilling.

PRECISE ENGRAVING CO., INC.

246 Park Avenue
New Hyde Park, N. Y.

Stepping Switches; Telephone Relays; Motor Starters; Solenoids; Relays — Electrical & Electronic.

RELAY SALES, INC.

Box 186-J
West Chicago, Illinois

Radomes; Minesweeping Floats; Fiberglass Products & Assemblies; Fiberglass Duct Work; Fiberglass & Electronic Assemblies.

THE REPLAC CORPORATION

21830 St. Clair Avenue
Cleveland, Ohio

Research & Development in electronics, radar, navigation, photogrammetry & reconnaissance; Consulting physicists; Established 1945.

PAUL ROSENBERG ASSOCIATES

100 Stevens Avenue
Mount Vernon, New York

Insulated wire, cable, and tubing, coaxial and multi-conductor cables.

SURPRENANT MANUFACTURING COMPANY

172 Sterling St.
Clinton, Mass.

Angle & Flexible Drilling Attachments.

GEORGE A. TERRY CO.

356 South Elmwood Avenue
Buffalo 1, New York

AN "O" rings & back-up rings; Hydraulic pneumatic packings, leather & synthetic, oil seals, grease retainers, needle bearing seals.

ALBERT TROSTEL PACKINGS LTD.

Lake Geneva, Wisconsin

Propane and Gasoline Torches; Propane and Gasoline Firepots; Propane Lanterns; Propane Campstoves; Propane Halide Leak Detectors.

THE TURNER BRASS WORKS

821 Park Avenue
Sycamore, Illinois

Roll formed metals; Weatherstrips — metal; Screens — metal frame; Light structural shapes; Metal fabrication and assembly.

UNIVERSAL METAL MOULDING COMPANY

729 Allegheny Avenue
Oakmont, (Pittsburgh)
Pennsylvania

Precision gear units; Guidance control drives; Electro mechanical aircraft systems; Actuators; Miniature motors.

WESTERN GEAR CORPORATION

Box 182
Lynwood, California

Airframe Structures and Sub-assemblies; Ground Handling and Support Equipment; Guided Missile Structures and Sub-assemblies; Airframe Assembly Fixtures and Tooling.

THE WHELAND COMPANY

Chattanooga, Tennessee

Naval Stores and Misc. Supplies For Navy Yards and Stations

Hose reels for air, water, lubrication and all types of fuels; Hand, Spring, Airmotor, Hydraulic motor and Electric motor rewind mechanism. Any capacities and size available.

ACE HOSE REEL CO. LTD.

5466 Alhambra Avenue
Los Angeles 32, Calif.

JON-E Hand Warmers; JON-E (Heated) Muff; JON-E (Heated) Body Belt; JON-E Fluid. Jon-e products give heat without flame . . . keep Servicemen WARM in the coldest weather. Write for details.

ALADDIN LABORATORIES, INC.

620 So. 8th Street
Minneapolis, Minnesota

Naval Stores and Misc. Supplies for Navy Yards and Stations (Continued)

GILSULATE—Conduit system for hot underground pipes.
AMERICAN GILSONITE COMPANY
134 West Broadway
Salt Lake City, Utah

Brake Drum Lathes; Brake Reliners; Brake Lining Surfacers; Brake Tools and Supplies; Brake Bleeder Tanks.
BARRETT EQUIPMENT COMPANY
21st and Cass
St. Louis 6, Missouri

Plastic Components—custom molded; Plastic Knobs and Handles; Plastic Sheet and Film—Campco; Plastic Dinnerware — Cloverlane; Plastic Tote Boxes.

CHICAGO MOLDED PRODUCTS CORP.
1052 N. Kolmar Avenue
Chicago 51, Illinois

CIRCUL-AIR Fire Hose Dryers; CIRCUL-AIR Fire Hose Washers; CIRCUL-AIR Hose Storage Racks.
THE CIRCUL-AIR CORPORATION
575 E. Milwaukee
Detroit 2, Michigan

Piston Rings, Cast Iron; Piston Rings, Bronze; Packings, metallic for compressors; Packings, metallic for marine service
C. LEE COOK CO.
914 South 8th St.
Louisville 3, Kentucky

Waxes; Carnauba; Japanwax; Montan; Shellac.
WM. DIEHL & CO.
120 East 56th Street
New York 22, N. Y.

Magnetic Grip-Shields; Grippys; Giant Grippys; Magnetic Nozzle Holders; Machine Tool Guards.
THE DILLEY MANUFACTURING COMPANY
1664 Doan Avenue
Cleveland 12, Ohio

Steel Galvanized Link Floor Mats; Rubber Link Floor Mats; Wood Link Floor Mats; Rubber Fabric Floor Mats (Tire); Leather Floor Mats.
SAMUEL FURNESS MAT COMPANY, INC.
731 Lehigh Avenue
Union, New Jersey

Model 10 SPINAWAY Trimmer; Model 18 SPINAWAY Trimmer-Mower; Model 20 SPINAWAY Rotary Mower; Model 26 Heavy-Duty SPINAWAY Mower; Model 31 Heavy-Duty SPINAWAY Mower.
HAL-GAN PRODUCTS, INC.
13000 Blue Mound Road
Elm Grove, Wisconsin

Hastings Asphalt Blocks for heavy-duty industrial flooring; roofing; paving.
HASTINGS PAVEMENT COMPANY, INC.
128th St. & College Point Causeway,
Flushing 54, New York

Commercial lighting; special lighting equipment and lighting fixtures, and glassware for replacement; special glass items and novelties; lamp shades, bases, etc.; specimen jars; and advertising globes; aviation running lenses.
JEANNETTE SHADE & NOVELTY CO.
Jeannette, Penna.
Phone Lafayette 3-5567

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.
LAWTER CHEMICALS, Inc.
Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

WOOD ROLLERS; For moving machinery and equipment.
A. MARTIN SONS, INC.
12 Linden Street
Passaic, New Jersey

Vinyl Upholstery materials available in stock to meet Federal Specifications. (Masland Duran)
Masland Duran Clad, Semi-Rigid Vinyl for lamination to steel and aluminum. Masland Duran Rigid Vinyl sheets for vacuum forming.

THE MASLAND DURALEASE COMPANY
Dept. ANJ, Amber & Willard Streets
Philadelphia 34, Pa.

Green Streak-Soldering Flux; Tin-Kwik compound cleans & tins in one operation; Memeco Spec. Stainless Steel Flux.
METAL MENDING PRODUCTS, INC.
5530 W. Center St.
Milwaukee 10, Wisconsin

**Cock, Shut-Off Ground Key, MiL-D-1203-A
Cock, Drain Ground Key, MiL-D-1203-A**
THE ROBERTS BRASS MANUFACTURING CO.
Box 307
Mitchell, Indiana

All Types of Safety Clothing; Asbestos Gloves and Mittens; Welders Clothing; Aluminized Fire Fighting Clothing, Fire Curtains and Blankets.
SAFETY CLOTHING AND EQUIPMENT CO.
1978 E. 69th
Cleveland 3, Ohio

Insulated wire, cable, and tubing, coaxial and multi-conductor cables.
SURPRENANT MANUFACTURING COMPANY
172 Sterling St.
Clinton, Mass.

Angle & Flexible Drilling Attachments.
GEORGE A. TERRY CO.
356 South Elmwood Avenue
Buffalo 1, New York

Steel pipe; Steel Tubing; Pipe fittings; Fabricated piping; Valves.
TIOGA PIPE SUPPLY CO., INC.
Tulip & Tioga Streets
Philadelphia 34, Pa.

Propane and Gasoline Torches; Propane and Gasoline Firepots; Propane Lanterns; Propane Campstoves; Propane Halide Leak Detectors.
THE TURNER BRASS WORKS
821 Park Avenue
Sycamore, Illinois

Grease Fittings; Grease Guns; Hydraulic Hose; Grease Hose, Screw Machine Products.
UNIVERSAL LUBRICATING SYSTEMS
743 Allegheny Avenue
Oakmont, Penna.

Air Filters; Moisture Separators; Air Pressure Regulators; Air Line Lubricators; Tank Drains.
WILKERSON CORPORATION
1601 W. Girard Avenue
Englewood, Colorado

Army and Air Force Exchanges and Ships Service Stores Supplies

JON-E Hand Warmers; JON-E (Heated) Muff; JON-E (Heated) Body Belt; JON-E Fluid. Jon-e products give heat without flame . . . keep Servicemen WARM in the coldest weather. Write for details.

ALADDIN LABORATORIES, INC.
620 So. 8th Street
Minneapolis, Minnesota

PROCUREMENT DIRECTORY

The companies listed in this Directory are able and eager to provide materials and services for National Defense.

Service purchasing officers are respectfully urged to enlist their help in solving military procurement problems.

Brake Drum Lathes; Brake Reliners; Brake Lining Surfacers; Brake Tools and Supplies; Brake Bleeder Tanks.
BARRETT EQUIPMENT COMPANY
21st and Cass
St. Louis 6, Missouri

Coat, suit, dress, skirt and trouser hangers.
BEVERLY COAT HANGER COMPANY
500 Indiana Street
San Francisco 7, California

Plastic Components—custom molded; Plastic Knobs and Handles; Plastic Sheet and Film—Campco; Plastic Dinnerware — Cloverlane; Plastic Tote Boxes.
CHICAGO MOLDED PRODUCTS CORP.
1053 N. Kolmar Avenue
Chicago 51, Illinois

Big Boy Air Pumps.
THE DALTON FOUNDRIES, INC.
Lincoln & Jefferson
Warsaw, Indiana

Hollywood V-Ette brassieres; Petal Shell brassieres; Definitely Yours brassieres; Nu-Vu brassieres; Her Secret brassieres.
HOLLYWOOD-MAXWELL CO.
6773 Hollywood Blvd.
Hollywood 28, Calif.

KOTEX Sanitary Napkins; KOTEX Sanitary Belts; KLEENEX Tissues; DELSEY Bathroom Tissues; KLEENEX Table Napkins.
KIMBERLY-CLARK CORPORATION
Cellulose Sales Division
Neenah, Wisconsin

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.
LAWTER CHEMICALS, Inc.
Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

Cast Iron Skillets; Cast Iron Griddles; Cast Iron Chicken Fryers; Cast Iron Dutch Ovens; other Cast Iron cooking utensils.
LODGE MANUFACTURING CO.
South Pittsburg,
Tenn.

Store Fixtures; Gondola & Wall Merchandisers; Showcases; Check-out Counters; Wrap Stands.
M & D STORE FIXTURES
245 No. Vineland Avenue
La Puente, California

Green Streak-Soldering Flux; Tin-Kwik compound cleans & tins in one operation; Memeco Spec. Stainless Steel Flux.
METAL MENDING PRODUCTS, INC.
5530 W. Center St.
Milwaukee 10, Wisconsin

Propane and Gasoline Torches; Propane and Gasoline Firepots; Propane Lanterns; Propane Campstoves; Propane Halide Leak Detectors.
THE TURNER BRASS WORKS
821 Park Avenue
Sycamore, Illinois

Garmet Bags; Car Bags; Shoe Bags; Basket Liners; Table Covers & Bowl Covers.
UNIVERSAL PRODUCING COMPANY
112 South Main
Fairfield, Iowa

"Lickety-Split" Duplicate Cafe Checks; Trade Coupon Books; Coat Room Checks; "New Process" Waterproof Windshield Stickers; Admission Tickets.

WELDON, WILLIAMS & LICK, INC.
Fort Smith, Arkansas
Phone SUNset 3-4113

Medical and Dental Supplies, Hospital Equipment

Gauze, Petrolatum Impregnated; ("Vaseline" Sterile Petrolatum Gauze); In Depots: FSN 6510-202-0800 3" x 18", 12s; FSN 6510-202-750 3" x 36", 3s; Order Direct: 1" x 36", 6s; 6" x 36", 6s; 1/2" x 72", 6s (Selvage-Edged).
CHESEBROUGH-POND'S INC.
485 Lexington Avenue
New York 17, N. Y.

Plastic Components—custom molded; Plastic Knobs and Handles; Plastic Sheet and Film—Campco; Plastic Dinnerware — Cloverlane; Plastic Tote Boxes.
CHICAGO MOLDED PRODUCTS CORP.
1055 N. Kolmar Avenue
Chicago 51, Illinois

Dental instruments; Diamond wheels & Instruments; Laboratory Supplies; X-Ray Supplies; Anesthetics & Medicinals.
CITY DENTAL SUPPLY COMPANY
5 Union Square West
New York 3, N. Y.

Labels; Boxes; Prescription Files; Envelopes; Folding Cartons.
DRUG PACKAGE INC.
2419 Glasgow
St. Louis 6, Missouri

Vision Testing Telebinocular; Orthoscope—Vision Testing Airmen; Tachistoscopes; Overhead Projector — Standard, 2" x 2" & Micro-slides.
KEYSTONE VIEW COMPANY
Meadville, Penna.

"Bottle Crusher" for Disposing of Bottles.
LADUBY COMPANY, INC.
Post Road
Branford, Conn.

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.
LAWTER CHEMICALS, Inc.
Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

X-RAY Protective gloves; X-RAY Protective Aprons; X-RAY Protective Shields.
LIBERTY PROTECTIVE LEATHERS INC.
17-29 Burr Street
Gloversville, New York

Manufacturers of Scientific apparatus and Industrial items, to customers' specifications and designs.
L. G. NESTER COMPANY, INC.
P. O. Box 231
Millville, New Jersey

Maps; Globes; Charts; Models; Map and Chart mounting service.
A. J. NYSTROM & CO.
3333 N. Elston Avenue
Chicago 18, Illinois

PROCUREMENT DIRECTORY

The companies listed in this Directory are able and eager to provide materials and services for National Defense.

Service purchasing officers are respectfully urged to enlist their help in solving military procurement problems.

Medical and Dental Supplies, Hospital Equipment (Continued)

"HYLA" water purifier; "SABRO" Portable water analysis lab.; Heat treat furnaces, all types; Refining rare earths & metals; Design and development.

SALEM-BROSIOUS, INC.
Arch Street Extension
Carnegie, Penna.

Ticonium Dental Alloy, Casting Equipment; Ti-Lectro Polishing Unit; High Speed Polishers; Ready Duplicator.

TICONIUM
413 North Pearl Street
Albany 1, New York

Propane and Gasoline Torches; Propane Bunsen Burners; Propane Lanterns; Propane Campstoves; Propane Halide Leak Detectors.

THE TURNER BRASS WORKS
821 Park Avenue
Sycamore, Illinois

Dental polishers & mandrels; Silver root canal points; prophylactic angle; Rubber dam holders; T. P. Dental Brushes.

YOUNG DENTAL MANUFACTURING COMPANY
4960 Suburban, N. W.
St. Louis 8, Missouri

Signal, Communications Supplies and Equipment

Ordnance Devices; Guided Missiles; Airframe Structure; Ground Radar Systems; Air Weapons Systems; Air Traffic Control Systems; Instl. & Maintenance Services.

AVCO MANUFACTURING CORPORATION
Crosley Division
1329 Arlington Street
Cincinnati 25, Ohio

Finished hardwood cases; Chests; Instrument Boxes; Displays-Metal Plastic; Wood Products.

CONTAINER ASSOCIATES, INC.
359 Main Street
Greenfield, Mass.

CODE MARKING TAPE
for wire identification.

COUGHLIN MANUFACTURING COMPANY
697-699 E. 132nd Street
New York 54, N. Y.

Aircraft Instruments — Communication Equipment — Data Processing Systems — Complex Mechanical, Electrical, and Electronic Systems — Research, Development and Volume Manufacturing Available in above Fields.

FRIDEN CALCULATING MACHINE CO., INC.
2350 Washington Avenue
San Leandro, California

Fine Pitch Precision Gears; Fine Pitch Racks; Worm Gears; Gear Assemblies; Splines.

INSTRUMENT GEAR WORKS, INC.
4624 N. Oketo
Chicago 31, Illinois

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.

LAWTER CHEMICALS, Inc.
Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

Vibration Control Systems; Bonded Rubber Engine Mountings; Electronic Equipment Mountings; Shipping Mountings; Flexible Couplings.

LORD MANUFACTURING CO.
1635 W. Twelfth Street
Erie, Pennsylvania

Photographic Arc Lamps; Arc Lamp Carbons; Transparency Viewer; Lithographic Equipment & Supplies.

MACBETH ARC LAMP COMPANY
141 Berkley St.
Philadelphia 44, Penna.

Jet Pulverizers — Classifiers — Collectors for particle sizes in the sieve and low micron ranges; Custom Grinding and Test Facilities.

MAJAC INC.
23rd Street & P.R.R.
Sharpsburg 15, Penna.

Edge Lighting Mil-P-7788; Plexiglass & Vinyl Laminating; Mechanical Engraving on Metals — Plastics — Dials; Stencils cut & stencilling.

PRECISE ENGRAVING CO., INC.
246 Park Avenue
New Hyde Park, N. Y.

Terminals; Terminal Boards; Chassis Kits; Screw Machine Parts.

PRECISION METAL PRODUCTS INC.
41 Elm Street
Stoneham, Massachusetts

Stepping Switches; Telephone Relays; Motor Starters; Solenoids; Relays — Electrical & Electronic.

RELAY SALES, INC.
Box 184-J
West Chicago, Illinois

Insulated wire, cable, and tubing, coaxial and multi-conductor cables.

SURPRENANT MANUFACTURING COMPANY
172 Sterling St.
Clinton, Mass.

Propane and Gasoline Torches; Propane and Gasoline Firepots; Propane Lanterns; Propane Campstoves; Propane Halide Leak Detectors.

THE TURNER BRASS WORKS
821 Park Avenue
Sycamore, Illinois

Electronic and Guided Missile Components

Pressure Switches; Frequency Meters; Elapsed Time Meters.

AERO INSTRUMENT COMPANY
11423 Vanowen Street
No. Hollywood, Calif.

Creep and Stress Rupture Machines; Rapid Heating Unit; Relaxation Machine; Tensile and Creep Extensometers; Control and Recording Instrumentation.

ARCWELD MANUFACTURING CO.
Liberty Street Extension, P.O. Box 311
Grove City, Penna.

Trailer landing gears—Leveling Jacks, Pintle Hooks, Truck Fifth Wheels; Missile Leveling Jacks.

AUSTIN TRAILER EQUIPMENT COMPANY

Division of West Michigan Steel Foundry Co.
1148 W. Western Avenue
Muskegon, Michigan

Ordnance Devices; Guided Missiles; Airframe Structure; Ground Radar Systems; Air Weapons Systems; Air Traffic Control Systems; Instl. & Maintenance Services.

AVCO MANUFACTURING CORPORATION
Crosley Division
1329 Arlington Street
Cincinnati 25, Ohio

Receiving Tubes; Special - purpose tubes; Transistors; Crystal diodes; Special cathode-ray tubes.

CBS-HYTRON
100 Endicott Street
Danvers, Massachusetts

Plastic Components—custom molded; Plastic Knobs and Handles; Plastic Sheet and Film—Campco; Plastic Dinnerware — Cloverlane; Plastic Tote Boxes.

CHICAGO MOLDED PRODUCTS CORP.
1054 N. Kolmar Avenue
Chicago 51, Illinois

20 MM. Gun, Automatic; Precision regulated & unregulated Trans. Rectifiers for airborne & Ground Power Application; Prec. Voltage Reg. for Aircraft alternators and motor generators; Speed Positioning device; Ordnance Quality Mach. Work.

CLINE ELECTRIC MANUFACTURING CO.
3405 W. 47th Street
Chicago 32, Illinois

CODE MARKING TAPE
for wire identification.

COUGHLIN MANUFACTURING COMPANY
697-699 E. 132nd Street
New York 54, N. Y.

Waxes; Carnauba; Japanwax; Montan; Shellac.

WM. DIEHL & CO.
120 East 56th Street
New York 22, N. Y.

Magnetic Grip-Shields; Grippys; Giant Grippys; Magnetic Nozzle Holders; Machine Tool Guards.

THE DILLEY MANUFACTURING COMPANY
1664 Doan Avenue
Cleveland 12, Ohio

Weldless Steel Rings; Welded Steel Rings.

EDGEWATER STEEL COMPANY
Box 478
Pittsburgh 30, Penna.

Aircraft Instruments — Communication Equipment — Data Processing Systems — Complex Mechanical, Electrical, and Electronic Systems — Research, Development and Volume Manufacturing Available in above Fields.

FRIDEN CALCULATING MACHINE CO., INC.
2350 Washington Avenue
San Leandro, California

Communication Systems; Electronic Components; Magnetics; Television (Captive); Ground Support Systems.

HALLAMORE ELECTRONICS CO.
8352 Brookhurst Avenue
Anaheim, California

Engineered space heating systems for vehicles & shelters; Gasoline Heaters — MIL-H-11511A; Multi-fueled Heaters — MIL-H-11511B; Instant Lighting Torches; Gasoline Engine Heater.

HUNTER MANUFACTURING COMPANY
30525 Aurora Road
Solon, Ohio

Fine Pitch Precision Gears; Fine Pitch Racks; Worm Gears; Gear Assemblies; Splines.

INSTRUMENT GEAR WORKS, INC.
4624 N. Oketo
Chicago 31, Illinois

Precision Machining and Assembly of Mechanical and Electro-Mechanical Components for Fire-Control, Computer and Navigational Systems.

JARECKI CORPORATION
Instrument Division
320 Hall Street, S. W.
Grand Rapids 2, Michigan

Daylight Fluorescent Materials; Black Light Fluorescent Materials; Black Light Equipment; Phosphorescent Materials; Luminous Materials.

LAWTER CHEMICALS, Inc.
Dept. Ana
3550 Touhy Avenue
Chicago 45, Ill.

Vibration Control Systems; Bonded Rubber Engine Mountings; Electronic Equipment Mountings; Shipping Mountings; Flexible Couplings.

LORD MANUFACTURING CO.
1635 W. Twelfth Street
Erie, Pennsylvania

Injection Molding; Molds for Plastic Parts; Semi-production machining; jigs; Fixtures.

MARLAND MOLD CO., INC.
1261 Newell Street
Pittsfield, Mass.

Electric Panel Meters; Test Instruments; Sensitive Miniature Relays; Precision Carbon Deposited Resistors.

PHAOSTRON INSTRUMENT & ELECTRONIC CO.
151 Pasadena Avenue
South Pasadena, California

Terminals; Terminal Boards; Chassis Kits; Screw Machine Parts.

PRECISION METAL PRODUCTS INC.
41 Elm Street
Stoneham, Massachusetts

Radomes; Minesweeping Floats; Fiberglass Products & Assemblies; Fiberglass Duct Work; Fiberglass & Electronic Assemblies.

THE REPLAC CORPORATION
21830 St. Clair Avenue
Cleveland, Ohio

Research & Development in electronics, radar, navigation, photogrammetry & reconnaissance; Consulting physicists; Established 1945.

PAUL ROSENBERG ASSOCIATES
100 Stevens Avenue
Mount Vernon, New York

Insulated wire, cable, and tubing, coaxial and multi-conductor cables.

SURPRENANT MANUFACTURING COMPANY
172 Sterling St.
Clinton, Mass.

Mil-W-16878B Teflon Insulated Wire & Cable; Mil-W-7139A Air Frame Wire; Mil-C-17B Coaxial Cable; Mil-W-19853 Type III Teflon Magnet Wire; Custom Wire & Cable for specific wire applications.

TENSOLITE INSULATED WIRE CO., INC.
198 Main Street
Tarrytown, New York

Audio, Filament, and Power Transformers; 400 cycle transformers; Hermetically sealed units.

TRESCO, INC.
3824 Terrace St.
Philadelphia 28, Penna.
IVyridge 3-1383

Precision gear units; Guidance control drives; Electro mechanical aircraft systems; Actuators; Miniature motors.

WESTERN GEAR CORPORATION
Box 182
Lynwood, California

Guided Missile Structures and Sub-assemblies; Guided Missile Launchers and Carriers; Guided Missile Ground Handling Equipment; Radar Antenna and Antenna Mounts.

THE WHELAND COMPANY
Chattanooga, Tennessee

Services Spend \$2 Million Daily For Transport

From page 22—

operation, recognizing that the primary mission is to effectively support the military effort of the country.

The primary purpose of MTMA is to make the application "of this management technique" a success.

The Military Traffic Management Agency, as the embodiment of this new concept of consolidated traffic management, faces a role of vital importance not only to a public interested in an effective and economical government, but to entire military establishment in moulding the transportation resources of the nation to best meet current needs and future requirements in carrying on the daily work of the armed forces. Perhaps the best single statement of the purpose of MTMA is contained in the pages of the implementing directive, which envisions the—

proper coordination of matters of mutual interest aimed at eliminating duplication and overlapping of effort between and among the military departments and improving the effectiveness and economy of supply and service operations throughout the Department of Defense.

With a staff of almost a thousand persons comprising highly skilled civilian specialists and military personnel representing long years of intensely practical experience and formal schooling in transportation drawn from each of the military departments, MTMA offers expert advice and technical guidance in all aspects of traffic management to those who must utilize the transportation channels through which flows the commercial and military lifeblood of the nation.

The establishment of MTMA indicates that the Department of Defense is keeping pace with private industry in according traffic management the degree of attention and importance it deserves. From this new Agency, the public, the carriers, and the military "customers" may expect the best in the professional field of traffic management, in providing the required service at the most economical rates. MTMA leads the Department of Defense into a new era of efficient and effective use, procurement, and management of transportation services.

SINGLE MANAGER

In addition to traffic management, the Secretary of the Army is the Single Manager for subsistence and clothing and textiles.

The Secretary of the Navy is the single manager for medical supplies and equipment and for petroleum. He is also the single manager for ocean transportation.

The Secretary of the Air Force is the single manager for airlift services.

The Department of Defense also has Single Department Procurement Assignments, which give one military Department (Army, Navy, or Air Force) responsibility for procurement of total defense needs for selected and specified common use items. This eliminates competition between the various Departments in the procurement of these items; it permits economies in that larger quantities are procured; it reduces administrative work load and increases efficiency in procuring the particular item; and provides industry a single point of contact for defense needs of this item. Examples of some of the major commodity categories assigned are: motor vehicles (Army); materials handling equipment (Navy); photographic equipment (Air Force); and lumber (Army).

Traffic Regulation

The Army has issued Circular 55-7, dated 12 June, which covers "Single Manager Service Assignment for Traffic Management within the United States."

New Gas Mask For CBR Protection Is A Late Highlight In Army's 1957 Weapons Progress; Stress Is On Weight Cut

THE bulky canister-type gas mask soon may be eliminated from the Army as a result of a new development by the John T. Ryan Memorial Laboratory of the Mine Safety Appliance Co., Pittsburgh, Pa., and the Army Chemical Corps.

The Company is producing a "revolutionary" protective mask which is designed to give the soldier complete protection against inhalation of war gases, germ warfare agents and air-borne radioactive fall-out particles.

A small number of the new masks already have been delivered to the U. S. Army Chemical Center, Edgewood, Md., for final engineering tests. At the same time, production models have been sent to the Infantry Board of the U. S. Continental Army Command for user tests prior to large scale production for troop use.

The mask, conceived and developed under direction of Maj. Gen. William M. Creasy, USA, Chief Chemical Officer, is made of a new lightweight, pliable gas-aerosol filter material. Pads of the material are inclosed within cavities molded into the mask's facepiece.

The new mask is more comfortable than the current model, affords better vision and transmission of speech, and allows the wearer to breathe easily.

NEW RIFLE

Among the new developments which will have an impact on the Infantryman is the decision to replace a number of basic small arms with a new rifle and machine gun. Starting in 1960, the basic weapon will be the T-44 rifle, replacing the familiar M-1 which has been the standard rifle since 1936. The new weapon, developed by U. S. Army Ordnance at Springfield, Mass., Armory, can be fired with either of two barrels. When the lighter barrel is used, the rifle weighs 8.7 pounds and is known as the M-14. When equipped with the heavy barrel and tripod, it weighs 13 pounds and is designated the M-15. It is capable of either automatic or semiautomatic fire.

GENERAL PURPOSE MACHINE GUN

A new general purpose machine gun, developed by Army Ordnance and two commercial contractors—the Inland Division of the General Motors Corp., Dayton, Ohio, and the Bridge Tool and Die Works, Philadelphia, Pa.—has been adopted to replace the three machine guns now in use. The new gun, known as the M-60, weighs 23 pounds as compared to the 32 to 42 pound machine guns. The ability of the M-60 to replace the heavier water-cooled machine gun stems from a barrel and gas system that can be replaced in a matter of seconds. In addition, the M-60 uses a chrome plated stellite-line barrel that increases its fire power. The gun fires 600 rounds per minute, is 43 inches long, is air cooled, gas operated, and is fed by a disintegrating metallic-link belt.

Adoption of these two weapons reduces the family of small arms from seven to two. On the way out are the standard M-1 rifle (Garand); the Browning automatic rifle, known as the BAR; the .30 caliber carbine; the M-3 sub-machine gun; the M1919A4 and M1919A6 air cooled machine guns; and the water cooled caliber .30 machine gun.

The new rifle and machine gun fire 7.62 mm cartridge which will be common to NATO allies.

REMOTE CONTROL TRACTOR

A robot tractor that can be operated anywhere within range of radio is being tested by the U. S. Army Research and Development Laboratories, Fort Belvoir, Va. The prototype was manufactured by Le Tourneau-Westinghouse, Peoria, Ill. The army expects the robot to prove invaluable in construction work in radioactive areas and combat zones, and in fighting large fuel storage fires. The robot can be manipulated from a ground station or from a jeep or helicopter equipped with standard military radio transmitter and special control box.

MECHANICAL MINE PLANTER

A mechanical mine planter, designed to slash the time required to lay an antitank minefield, has been developed by Ft. Belvoir, Va., engineers and the International Harvester Co., Chicago, Ill. The machine carries mines in a "lazy suzan" type magazine which automatically feeds them into the planting mechanism. An elevating plow opens a trench into which the mines are dropped and covers them over. The mines are activated during the operation. The mine planter is mounted on pneumatic tires and can be pulled by any large crawler tractor.

FOUR-ROTOR HELICOPTER

Convertawings, Inc., Amityville, N. Y., has been awarded a research contract to test the four-rotor concept. In a four-rotor copter, known as a "quadrotor," four small rotors replace the one or two large rotors normally used to lift a chopper. The four-rotor type helicopter, by using small rotors and simpler rotor hubs, is designed to lift payloads more economically.

TWO-PLACE OBSERVATION COPTER

Design study contracts have been let to five helicopter manufacturers for study of a two-place observation helicopter. The primary missions of the copter will be battlefield route and position reconnaissance, command liaison and transportation courier operations, and primary training of helicopter pilots. The awards went to: Kellert Aircraft Corp., Willow Grove, Pa.; Hiller Helicopters, Inc., Palo Alto, Calif.; Doman Helicopters, Inc., Danbury, Conn.; Bell Helicopter Corp., Fort Worth, Tex.; and; Gyrodyne Company of America, Inc., St. James, N. Y.

ELECTRON ACCELERATOR

Varian Associated of Palo Alto, Calif., has been awarded a contract to build a high-power traveling-wave electron accelerator at the Army's Ionizing Radiation Center at Sharpe General Depot, Stockton, Calif. It will be one of the most powerful ever built and will produce 18 kilowatts of radiation power at 24 million electron volts. It is anticipated that the accelerator will be able to sterilize about 3,000 pounds of 6-inch units of food per hour. The accelerator will be used by the Radiation Center in its investigation of ionizing radiation in the preservation of foods, leather, textiles and other materials.

SOLAR FURNACE

A massive solar furnace capable of concentrating the sun's rays to produce temperatures comparable to those generated by an atomic explosion is being built at the Quartermaster Research and Engineering Center, Natick, Mass. The mechanical framework, foundation, and drive mechanisms are being built by the D. S. Kennedy & Co., Cohasset, Mass. The device will be used for laboratory testing of Quartermaster designed materials intended for the protection of military personnel against thermal effects of atomic and other weapons.

RADAR MORTAR LOCATOR

Production models of a new radar mortar locator are being built by the General Electric Corp., which have a built-in electronic brain that can find an enemy position in a few seconds. Using a new beam technique, the locator, known as the AN/MPQ-4, has a longer range than any known mortar built today. It is compact and mobile. Everything needed to operate it, with the exception of its power supply, is mounted on a two-wheel trailer. It is possible to operate the locator by remote control from a foxhole about 150 yards away. This feature protects the operator if the set comes under enemy fire.

RADIO PHOTOGRAPH SYSTEM

The fastest known means of flashing a photograph from one spot to another by use of a new facsimile set has been developed by the Army Signal Corps.

The first model was built by the Times

Facsimile Corp., N. Y. The portable system can put a high-quality reconnaissance photo in the hands of a command headquarters five minutes after the click of the camera's shutter. The entire system fits easily into the back of a jeep or car. It could be mounted on a reconnaissance plane or helicopter, allowing an aerial photographer to send surveillance pictures continually to a battle headquarters.

NUCLEAR POWER REACTOR

The Army's first nuclear power reactor for generating electricity was placed into operation on 29 April at the U. S. Army Engineering Center, Ft. Belvoir, Va. The reactor was built by Alco Products, Inc., Schenectady, N. Y.

SUN-OPERATED RADIO HELMET

The helmet radio being developed by the Army soon may make use of sunlight to obtain all the electrical power needed to operate its transmitter and receiver for as long as a year. The radio components are being built by Radio Corporation of America. The helmet radio is approaching final design at the U. S. Army Signal Engineering Laboratories, Fort Monmouth, N. J.

LIGHT ASSAULT BOAT & CABINET COOKSET

A new lightweight assault boat has been developed by the U. S. Army Corps of Engineers' Research and Development Laboratories, Fort Belvoir, Va. The boat carries 15 men and can attain speeds up to 7.1 miles-per-hour using a 25 horsepower outboard motor. The neoprene-coated nylon boat is divided into six compartments by bulkheads within the main flotation tube. As many as four compartments could be damaged without putting the boat out of commission.

Another new Army development is a cabinet cookset capable of feeding 50 men and needing only 11 repair parts instead of the 49 required in existing field stoves. The new cookset consists of a cabinet, utensils and a gasoline burning fire unit. The new unit weighs 114 as compared to 137 for the field range.

Contracts have not yet been awarded for the light assault boat and the cabinet cookset.

CPL. TO SERGEANT

The Defense Department, which recently has O.K.'d release of details on the Navy Bullpup and Army Hawk missiles shortly is expected to make known details about another new Army missile.

It is called Sergeant.

A surface-to-surface weapon, Sergeant is slated to be replacement for Corporal.

Later, the Army may be allowed to say more about a new member of the Nike family. This weapon is called Nike Zeus, and is said to be in development as an anti-missile missile.

G. C. Bannerman Directs Def. Procurement Policy

Appointment of Graeme C. Bannerman as Director of the Office of Procurement Policy in the office of the Assistant Secretary of Defense (Supply and Logistics) has been announced by Assistant Secretary Perkins McGuire.

Mr. Bannerman has served as Assistant Director of Procurement in the office of Naval Material since 1953.

Prior to WW II, he was associated with the Procurement Division of the Treasury Department. On active duty with the Navy during World War II, Mr. Bannerman served in the Navy's Aviation Supply Office. From 1948 until 1953 he was Assistant Director of Contracts with the Bureau of Ships.

Mr. Bannerman, his wife and two daughters, live at 105 Williamsburg Drive, Silver Spring, Md.

SERVICE FAMILY NOTES



FRIEND OF THE FAMILY—Col. Tseng Young, left, assigned to General Headquarters, Republic of China's Army on Formosa, learns first hand the American way of life from Capt. and Mrs. Louis G. Michael and their two-year-old daughter, Barbara, at Ft. Benning, Ga. Captain Michael, USMA '51, "adopted" Colonel Young as his "buddy" while attending the U. S. Army Infantry School's advanced officers course at Ft. Benning. The idea, initiated by Capt. Clifford H. Vaughn, USA, Commander of the Third Company, First Student Battalion of the School Brigade, is for U. S. officers to take Allied officers into their homes and show them the American way of life.

HOSTESS ASSOCIATION SEEKS VOLUNTEERS

THE Armed Forces Hostess Association is in need of volunteers to serve as either Neighborhood or Pentagon Hostesses in the Washington Metropolitan area.

A volunteer organization of officers' wives, the group has as its main functions the jobs of extending a personal welcome to newly appointed officers and their families in the community and supplying assistance to all service personnel in their new environment.

This service is not restricted to those entering the Washington area only, but is also available to those leaving for bases, posts and military installations all over the world. The office in the Pentagon is open five days a week, from 9 a.m. to 5 p.m. Its files contain pertinent information on living conditions, markets, etc., in the U. S. and at overseas stations.

In order to become a Pentagon Hostess, two full days of office training are required, followed by two months of on-the-job training. A Pentagon Hostess serves one full day every two weeks at the Pentagon office. A staff of 40 Pentagon Hostesses are required to serve in the office at staggered times in order to fulfill the scores of requests received from service personnel.

At the present time there is a special need for typists, filing clerks and routine office workers. Officers' wives who wish to volunteer, should call Liberty 5-6700, Ext. 76857.

Army Nurse Grads Honored—

Lt. Col. Alice M. Gritsavage, ANC, Chief nurse at Fitzsimons AH, Colo., was hostess at a recent reception, honoring eight nurses who received their Bachelor of Science degree in Nursing Education from Denver University. The nurses were Maj. Bernice Brandt, Capt. Nellie Guffy, Capt. Margaret Wendland, Capt. Mary Nypaver, Maj. Evelyn Patterson, Maj. Doris Jensen, Capt. Mayna Allen and Maj. Florie Larson. Among the guests at the reception were Maj. Gen. (MC, USA) and Mrs. M. E. Griffin and the Chiefs of Services and their wives.

Rollins Family Scores—

The Rollins father and son combination, walked away with three tennis trophies at the Carlisle Barracks, Pa., Spring Tennis Tournament last week.

Col. Al Rollins took the men's singles championship as he won over Col. Bud Hines. Then he teamed up with Col. Don Yeuell to take the men's doubles crown as they defeated the combination of Colonel Hines and Col. Walter Wells. Colonel Rollins' 13-year-old son Bill took the boys' singles championship.

The ladies' singles title was won by Mrs. A. L. Leonard.

Stevens Family Chooses St. Louis

Lt. Col. Edward H. Stevens, USA, Executive Officer of U. S. Army Military District, Missouri, retires on 30 June with over 22 years' service. He and his wife, Laura, will continue to make their home in St. Louis at 560 Jamaica Place. Their daughter, Margaret, attends the University of Missouri; a son, John, is in high school.

SURPRISE "FAREWELL" GETS SUDDEN CHANGE

Arrangements for a gala surprise farewell party last week for Col. Edward D. Mohler, USA, Detroit Ordnance District Commander, underwent a last-minute conversion.

At the last moment, word came from Washington that his 3½ year tour in Detroit had been extended another 12 months.

So, the farewell party was changed into a "glad he's staying" celebration by some 400 military and civilian personnel of the District and a group of prominent Detroit citizens.

FEWER SERVICE SONS

There won't be as many Service son appointments to West Point and the USAF Academy as Army and Air Force leaders had hoped.

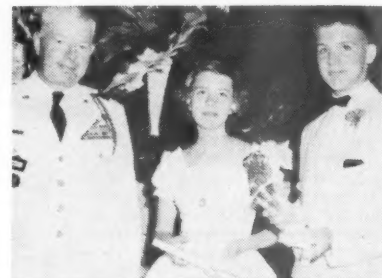
The two Services asked for legislation to increase from 89 to 300 the number of cadets the President may appoint to each of the two Academies. They noted that the President already has authority to appoint 300 midshipmen from among Service sons and said the new authority would even things up.

A House Armed Services Subcommittee has recommended (and the full Committee probably will approve), that Presidential appointees be boosted to only 200 for the USMA and USAFA, pointing out that this will be more equitable from a percentage standpoint because the Brigade of Midshipmen is much larger than the Corps of Cadets at either of the other two Academies.



MRS. SIDNEY A. OFSTHUN, right, retiring president of the Ent AFB Women's Club, is presented a farewell gift by Mrs. Lee W. Montgomery, left, on behalf of the Club members. Mrs. Ofsthun is the wife of Col. Ofsthun of the Air Defense Command.

FIRST AND SECOND HONOR GRADUATES of the Ft. Benning Children's Schools are Rufus E. Hallmark, Jr., right, and Gail Heitman. They are being congratulated by Brig. Gen. John F. Ruggles, USA, left, deputy commanding general of the U. S. Army Infantry Center and speaker at the graduation ceremonies. The eighth graders' parents are Lt. Col. and Mrs. R. E. Hallmark and Capt. and Mrs. Wallace H. Heitman.



Service Weddings and Engagements

HOUSER-DORAN — In an afternoon ceremony at the Main Post Chapel, Ft. Riley, Kans., on 18 June, Miss Suzanne A. Doran, daughter of Col. and Mrs. Roy E. Doran of 101 Schofield Cir., Ft. Riley, and Lt. Houston Parks Houser, 3d, were united in marriage. Parents of the bridegroom are Colonel and Mrs. Houser, Jr., of Alexandria, Va.

Colonel Doran gave his daughter in marriage, and Dr. George C. Weiser, rector of St. Andrew's Episcopal Church, Rogers, Ark., officiated, having christened the bride in 1949. Mrs. Houser chose as her maid of honor, her sister, Miss Diane C. Doran, and her bridesmaids included Misses Carol R. Daehler, Jean R. Philipard and Patricia Lawder. Mr. George Houser of Alexandria, served as his brother's best man, and the bridegroom's West Point classmates, Lts. W. B. Seely, T. K. Shuff, 3d, and G. W. McGovern, Jr., ushered. Those forming the traditional arch of sabres were Lts. I. W. Black, G. A. Embrey, W. P. Baxter and David Herzog.

The bride received a B. A. degree in Music Education from Mary Washington College of the University of Virginia this month. She is a member of the Mu Phi Epsilon and Alpha Phi Sigma sororities. A 1957 graduate of the U. S. Military Academy, Lieutenant Houser will begin his Basic Infantry Training at Ft. Benning, Ga., in August, following which he will be assigned with the 82d Airborne Division, at Ft. Bragg, N. C.

SMITH-MOFFAT—Mr. and Mrs. James Moffat of Newcastle-on-Tyne, England, announce the marriage of their daughter, Sheila, to Ens. Norman Marshall Smith of Kensington, Md. The wedding took place on 22 May, at the U. S. Naval Chapel, Washington, D. C. Ensign Smith and his bride are now making their home at San Diego, Calif.

until he leaves for his new assignment at the Submarine School at New London, Conn., in July.

MATTHIAS-BRADBURY — Miss Mary Louise Bradbury, daughter of Lt. Col. and Mrs. Frank A. Bradbury, became the bride of 1st Lt. Norman A. Matthias, Jr., son of Colonel and Mrs. Matthias, Sr., at the Fitzsimons Army Hospital Chapel, Denver, Colo., on 8 June. Chaplain (Lt. Col.) Rafferty officiated.

Mrs. Matthias is a 1957 graduate of the University of Colorado, where she was a member of the Kappa Delta sorority. Lieutenant Matthias was graduated from the U. S. Military Academy in 1954.

THOMPSON-TWITTY—In a setting of white peonies and gladioli at Christ Episcopal Church, Covington, La., recently Miss DeLieseline Wells Twitty, daughter of Brig. Gen. (USA-Ret) and Mrs. Joseph Jones Twitty, P. O. Box 188, Covington, became the bride of Lt. Richard Paul Thompson, USA, son of Col. (USA-Ret) and Mrs. Percy Walter Thompson of Gainesville, Fla., and brother of Mrs. John D. Eisenhower, daughter-in-law of the President and Mrs. Dwight D. Eisenhower. The Reverend Leo McAfee officiated.

The bride's attendants included her cousin, Miss Catherine B. Wells of Fort Washington, N. Y., as her maid of honor, and the Misses Judy Morey and Judy Beasley as bridesmaids. Major Eisenhower served as best man for his brother-in-law, and the groomsmen were Colonel Thompson, father of the bridegroom, and Dr. Robert Green another brother-in-law of the bridegroom.

Following a reception, the bridal couple departed by car for New York City, from which they were to sail on 19 June for Germany, where Lieutenant Thompson will be stationed at Nuremberg.



Mrs. Houser



Mrs. Thompson

CRITES-BROWN—Col. and Mrs. Harry E. Brown of Ft. DeRussy, T. H., announce the marriage of their daughter, Cynthia Ann, to Mr. Howard Baird Crites, Jr., at the Sacred Hearts Church, Honolulu, on 8 June. The bridegroom is the son of Mr. and Mrs. Crites of Honolulu.



Mrs. Crites

The bride, who was given in marriage by her father, chose Miss Priscilla Marie Brown, her sister, as her maid of honor and only attendant. Mr. John P. Kleman of Pittsburgh, Pa., served as best man for the bridegroom, and ushering were Messrs. J. R. Healy, A. F. Petterson, R. F. Wilson and James Castin.

Mrs. Crites, a graduate of the Star of the Sea Academy, San Francisco, Calif., will enter her senior year at the University of Hawaii next Fall.

Following a honeymoon at the Royal Hawaiian Hotel, the couple will be at home at 45-614 Halekou Rd., Kaneohe, T. H.

VON FRANKENBERG-MURPHEY — Miss Elizabeth Bunn Murphey and Mr. Carl Alexander von Frankenberg were married on the afternoon of 22 June, at the Walter Reed Memorial Chapel, Washington, D. C., in a ceremony performed by the Reverend Herbert W. Lamb, Jr. The bride is the daughter of Col. and Mrs. Henry Schult Murphy of Washington, D. C., and her bridegroom is the son of Mrs. Curt Cochran von Frankenberg of Swarthmore, Pa., and the late Mr. von Frankenberg.



Mrs. von Frankenberg

Colonel Murphey gave his daughter in marriage and Mrs. Robert M. Ayres, Jr., of San Antonio, Tex., was her matron of honor, with Mrs. Richard L. Kline serving as her other attendant. Mr. William M. Murphey, brother of the bride, was the best man for the bridegroom, and ushering were Messrs. F. D. Ray, T. F. Beatson and T. O. Maher.

Mrs. von Frankenberg, an alumna of St. Mary's Hall, San Antonio, is a graduate of Swarthmore College and of the Graduate School of Social Work of Bryn Mawr College. Her bridegroom, who attended Mt. Herman School, is also a graduate of Swarthmore College, and is presently engaged in graduate studies at the University of Pennsylvania.

The couple will reside in Philadelphia.

HARRIS-BULLIS—Miss Susan Bullis, daughter of Mr. and Mrs. Donald Perkins Bullis of New Haven, Conn., was married to Mr. Franklin DeWitt Harris, son of Lt. Col. and Mrs. Glenn John Harris of Alexandria, Va., on 22 June, at the Center Church, New Haven. Dr. David N. Beach performed the ceremony.



Mrs. Harris

The bride, given in marriage by her father, chose Mrs. Robert E. Munson of Virginia Beach, Va., as her matron of honor, and Miss Lorna M. Hall of New Haven as maid of honor. Her bridesmaids included Misses Sandra F. Smith and Ann M. Wetherell. Mr. Glenn J. Harris, 2d, served as his brother's best man, and the groomsmen were Messrs. Peter E. Bullis, brother of the bride, J. E. Gasho,

R. E. Munson, D. M. Stires and Frank Wright.

Mrs. Harris received a B. A. degree this month from Skidmore College, and her bridegroom holds a B. S. degree from Rensselaer Polytechnic Institute, where he was a member of the Delta Kappa Epsilon fraternity.

After 1 Aug., Mr. and Mrs. Harris will be at home at 198 Bridge St., Drexel Hill, Pa.

WRIGHT-PORTER — Mrs. Dorothy Wentz Porter of Greenville, S. C., announces the engagement of her daughter, Sheerin Elizabeth, to 1st Lt. Clifton Dukes Wright, Jr., of Cooke AFB, Calif., son of Colonel and Mrs. Wright of Washington, D. C.

CARMACK-MARTINEZ — Miss Betty Jean Martinez, daughter of Mr. and Mrs. Max Martinez of San Antonio, Tex., became the bride of Lt. Joe Erwin Carmack, son of Col. and Mrs. Joseph Carmack of 434 Hathaway Dr., East, San Antonio, in an afternoon ceremony at the Sacred Heart Church, San Antonio, on 2 June.



Mrs. Carmack

Miss Patricia Marie Martinez served as maid of honor and the bride's other attendants were Misses Joyce Darling, Gloria Acuna, Yolanda Almanguer, Sister Schouts, Rose Marie Angelini and Jonel May. Best man for the bridegroom was Mr. Gene Jennings, and ushering were Messrs. Ralph Finch, Tommy Economy, Wayne Ulrich, George Jageman, Whit Whitfield and W. C. Mackelchine.

Following a New Orleans and Florida wedding trip, the couple will be at home at Quantico, Va.

HAGEN-DAINE—Col. and Mrs. Henry William Daine of 513-B East Cantonment, Presidio of San Francisco, Calif., announce the engagement of their daughter, Elizabeth Ellen, to Mr. Raoul O'Neil Hagen, son of Mrs. Theresa Hagen of Albert Lea, Minn., and the late Mr. Albert Hagen.



Miss Daine

Miss Daine, who is a graduate of Stephens College and the State University of Iowa, is presently teaching in San Francisco. Mr. Hagen is a senior student at the College of Medicine of the State University of Iowa.

A mid-Summer wedding is planned.

ELLIOTT-RICHARDSON — Miss Carol Jean Richardson, daughter of Col. (DC, USAF) and Mrs. Frederick Henry Richardson of St. Johns, Nfld., and Dallas, Tex., became the bride of Mr. John Pascal Elliott, Jr., in a double ring ceremony, on 1 June, at the Rayne Memorial Methodist Church, New Orleans, La. The bridegroom is the son of Mr. and Mrs. Elliott, sr., of Okolona, Miss.

The bride, given in marriage by her father, chose Miss Frances N. Syfrett of Jacksonville, Fla., as her maid of honor, and Miss Elinor Rose as her bridesmaid. Mr. Woody N. York was best man for Mr. Elliott, and Mr. J. F. Lupo was groomsmen.

Mrs. Elliott attended Christian College, Incarnate Word and the School of Nursing, Charity Hospital, New Orleans. Her husband is a graduate of Mississippi State College and is now a senior student in the School of Medicine of Tulane University. He is a member of the Sigma Alpha Epsilon social and the Phi Chi medical fraternities.

The couple will make their home in New Orleans.

SCHWICHTENBERG-MYERS — The Danforth Chapel on the campus of Colorado State University, Ft. Collins, Colo., provided the setting, on 7 June, for the early afternoon ceremony uniting in marriage Miss Patricia Ann Myers and Mr. Alan Edward Schwichtenberg. The bride is the daughter of Lt. Col. and Mrs. Robert M. Myers, Qtrs. 406, Duluth Air Base, Minn., and the bridegroom is the son of Brig. Gen. and Mrs. Albert H. Schwichtenberg of 1303 East Platte, Colorado Springs, Colo. The Reverend John F. Hennig officiated at the double ring ceremony.

Given in marriage by her father, the bride chose Miss Alice Backer of Torrington, Wyo., as her maid of honor and only attendant. Mr. John R. Barber of Denver, Colo., served as the bridegroom's best man, and ushering were Mr. L. Raymond Allemand and Mr. Bob L. Anderson.

Mrs. Schwichtenberg received her Secretarial Training Certificate from Colorado State University, on 5 June. She was a member of the Kappa Delta sorority. Her bridegroom, who attended school in Tokyo, Japan, is a graduate of George Washington University and of the Colorado A&M College. He is presently a student of Veterinary Medicine at Colorado State University.

Following the Summer at One-Horse Ranch, Divide, Colo., the couple will be at home in the Fall, at 332 Pitkin St., Ft. Collins.

OTTO-BURNSIDE—Maj. Gen. (USAF) and Mrs. Merrill Davis Burnside of Wright-Patterson AFB, Ohio, announce the engagement of their daughter, Mary Elizabeth, to Mr. George Jay Otto, son of Mr. and Mrs. Benjamin F. Otto of Milwaukee, Wisc.



Miss Burnside

Miss Burnside attended Mary Washington College of the University of Virginia, majoring in Home Economics. Her fiancé, who attended the University of Wisconsin and was graduated from the University of Washington as an Architectural Engineer, is now engaged in business in San Antonio, Tex., as a building contractor.

The wedding is planned for late August.

MOSES-CROMWELL—The Post Chapel at Ft. Myer, Va., provided the setting, on 22 June, for the wedding ceremony of Miss Sandra Jean Cromwell and Lt. Charles Custis Moses.



Mrs. Moses

The bride is the daughter of Lt. Col. and Mrs. Jack O. Cromwell of 4912 No. 34th Rd., Arlington, Va., and parents of the bridegroom are Col. and Mrs. Merillat Moses, also of Arlington.

Given in marriage by her father, the bride had her sister, Mrs. E. E. Trexler, as her honor attendant, and Misses Sally Dallas, Sylvia Crooker, Florence Green and Mrs. Glen Boyd as bridesmaids, with little Miss Terry Nathan, daughter of Lt. Col. and Mrs. Aubrey Nathan, as flower girl. Lt. Jack Solomon was best man for the bridegroom and ushering were Lts. Lee Wilson, Richard Huie, Lawrence MacKusick and Robert Leard, all this year graduates of the U. S. Military Academy, as is the bridegroom.

Mrs. Moses was graduated this month from William and Mary College.

The couple will make their first home at Ft. Sill, Okla.

ACKERSON - WORTMAN — Cdr. (USCG-Ret) and Mrs. Frank Wilmont Wortman of 5535 No. Washington Blvd.,

Arlington, Va., announce the engagement of their daughter, Mary Ellen, to Capt. Frederic Ackerson, USA, son of Col. (USA-Ret) and Mrs. Martin Ackerson of Des Moines, Iowa.

Miss Wortman, a graduate of the College of William and Mary, where she was a member of the Kappa Kappa Gamma sorority, is now employed by the Massachusetts Institute of Technology at the Pentagon. Captain Ackerson was graduated from the State University of Iowa, where he was a member of the Delta Upsilon fraternity, and received a Master's degree from Tulane University. He is currently on duty with the Department of the Army at the Pentagon.

An October wedding is planned, to take place at St. George's Episcopal Church, Arlington.

BEASLEY-FLEMING — The Camp Voluceau Chapel, near SHAPE Headquarters, Paris, France, was the recent scene of the Nuptial Mass and ceremony uniting in marriage Miss Patricia Anne Fleming, daughter of Brig. Gen. and Mrs. Robert J. Fleming, Jr., of Verdun, France, and 2d Lt. Benjamin B. Beasley, USA, son of Col. and Mrs. Oscar B. Beasley of Paris. Chaplain (Maj) Michael Cariglia, SHAPE Chaplain, officiated.



Mrs. Beasley

Given in marriage by her father, the bride had as her attendants her bridegroom's sister, Miss Barbara Beasley, as her maid of honor and her own sister, Miss Eleanor Fleming, as bridesmaid. 2d Lt. Joseph Tedeschi served as best man for Lieutenant Beasley and 2d Lt. G. J. Runnion ushered, both classmates of the bridegroom.

Following a wedding trip to Berchtesgaden and Garmisch, Germany and to Italy, Lieutenant Beasley and his bride will return to the U. S., where the bridegroom will be stationed at Ft. Knox, Ky.

HILL-PINNER — In a double ring ceremony at the Cadet Chapel, on 5 June, Miss Geraldine Pinner, daughter of Sgt. and Mrs. Vernon Wagner, was married to Lt. John L. Hill, Jr., son of Colonel Hill, sr., of Ft. Meade, Md., and the late Mrs. Hill.

The bride was given in marriage by her father and had Miss Cynthia Lagan as her maid of honor. Her bridesmaids were Misses Sheila Baker, Gay Wallace and Sue Griggs, with little Miss Georgia Mamalis as flower girl and Master Richard Wagner as ring bearer. Lt. Jesse H. James was best man for Lieutenant Hill, and ushers were Lts. M. I. Kovel, D. E. Schoor, W. L. Smith, J. S. Armstrong and P. M. Leighton.

The bridegroom, a 1957 graduate of the U. S. Military Academy, will be stationed at Ft. Benning, Ga., where he and his bride will make their home.

OWEN-WORDEN — The marriage of Miss Victoria Vaiden Worden, daughter of Mrs. Stanley Worden of Dover, Del., and the late Dr. Worden, and Lt. David E. Owen, 3d AUS, son of Mrs. Wilfred Bradley Goulett of Palo Alto, Calif., and the late Col. Ernest Tuttle Owen, USA, took place on 22 June, at Christ Church, Dover. The Reverend Paul A. Kellogg officiated at the afternoon ceremony.



Mrs. Owen

Given in marriage by her brother, Mr. Stanley Worden, Jr., of Baltimore, Md.,

—Continued on next page

Weddings and Engagements

From preceding page—

the bride chose Miss Sidney L. Kellogg of Dover as her maid of honor, and Mrs. Norman L. Shipley and Miss Shirley D. Smith as her bridesmaids. Mr. Frederick B. Paton of New York, served as best man for the bridegroom. The ushers included Messrs. H. V. P. Wilson, 3d, P. D. O'Connell, J. M. Von Stroobele and Ens. Dirck Teller, USN.

The bride is a graduate of St. Catherine's School, Richmond, Va., and Goucher College. Lieutenant Owen, a graduate of Georgetown School of Foreign Service, is now stationed at Ft. Lawton, Wash.

FREDERICK-MILES — Miss Phyllis Elaine Miles, daughter of Col. and Mrs. Charles Harlow Miles, jr., of Heidelberg, Germany, became the bride of Mr. Dean Kimball Frederick, son of Mrs. Charles Elder Frederick of Providence, R. I., and the late Lt. Colonel Frederick, in an afternoon ceremony, on 22 June, in Heidelberg, with Chaplain John A. Dick officiating.



Mrs. Frederick

The bride, who was given in marriage by her father, chose her sister, Miss Carol Ann Miles as her maid of honor. Her bridesmaid was Mrs. Elizabeth Halliday, and another sister, Miss Pamela Miles, was junior bridesmaid, with Master Birchall Miles, her small brother, as ring bearer. Best man for Mr. Frederick was Mr. William J. Thompson of Heidelberg, and ushers were Messrs. Gerald Newgard, Charles Crawford and Lt. Samuel L. Halliday.

The bride was graduated from Penn Hall Junior College and attended the Universities of Heidelberg and Madrid. The bridegroom is a graduate of St. Georges School and Yale University.

The couple will honeymoon in Switzerland.

HARRISON-FOLKES — Col. and Mrs. John Griggs Folkles of 639 Gordon Ave., Reno, Nev., announce the marriage of their daughter, Margaret Lee, to Mr. Charles Evans Harrison, son of Mr. and Mrs. Weldon J. Harrison of Reno.

The wedding took place on 12 June at St. Thomas Aquinas Catholic Church, Reno.

Daughter of the Chief of the Nevada Military District, the bride is a graduate of the University of Nevada.



Photo by E. Mark

Mrs. Harrison

BRUEN-LEE — Miss Ann Theone Lee, daughter of Mr. and Mrs. John Michael Lee of Arlington, Va., became the bride of Lt. John Dermot Bruen, son of Dr. and Mrs. John Dewey Bruen of Chicago, Ill., on 22 June, in a morning Nuptial Mass at the Post Chapel, Ft. Myer, Va.

Miss Lois McArdle of Washington, D. C., served as the bride's only attendant, and Lt. John Durant of Providence, R. I., was best man for the bridegroom. Ushers were Capt. J. P. Santry and Lt. J. P. Sullivan.

Mrs. Bruen is a graduate of the College of William and Mary, where she was elected to Phi Beta Kappa and was a member of the Delta Delta Delta social sorority. The bridegroom, who attended Loyola University, served with the 24th Division in Korea. He and his bride will live in Würzburg, Germany, where he has been assigned to the Seventh U. S. Army.

BARBER-BAKER — The wedding of Miss Charity N. Baker and Lt. Col. Henry Anson Barber, 3d, USA, took place at the Post Chapel, Ft. Leavenworth, Kans., on the evening of 2 June, with Chaplain (Maj) Richard Bell, USA, officiating. The bride is the daughter of Dr. and Mrs. William L. Baker of Muskogee, Okla., and the bridegroom is the son of Mrs. Henry A. Barber of Winter Park, Fla., and the late General Barber.



Mrs. Barber

Mrs. William L. Baker was matron of honor for her sister-in-law, and the bridesmaids were Mesdames William F. Train, Howard Colladay and George R. Brookin, sister of the bridegroom, with the bride's twin nieces, little Misses Teresa June and Cathy Jo Harms, as flower girls, and Master Henry A. Barber, 4th, as ring bearer.

Following a Bermuda honeymoon, Colonel Barber and his bride will be at home in Paris, France, where he will be stationed at the French General Staff College.

HARLOW-QUACKENBUSH — Miss Elizabeth Ann Quackenbush, daughter of Col. and Mrs. Robert E. Quackenbush of 210 E. 10th St., Sioux Falls, So. Dak., was married in an afternoon ceremony, on 5 June, to Lt. Giles Dexter Harlow, jr., USAF, son of Mr. and Mrs. Harlow of Fergus Falls, Minn., at the Post Chapel, Ft. Myer, Va.



Photo by Southall

Mrs. Harlow

Chaplain A. M. Shoemaker performed the ceremony, and Colonel Quackenbush gave his daughter in marriage. Mrs. R. V. McGrath served as matron of honor for the bride, and her bridesmaids were Mrs. James Wilkinson and Miss Joan Drew. Lt. William H. L. Mullins was best man for Lieutenant Harlow, and ushers included Lts. Paul Chase, Fred Smith, Donald Baughman and Thomas Kehoe, all classmates of the bridegroom.

The bride is a graduate of George Washington University. Lieutenant Harlow attended the University of Minnesota and served with the 187th Regimental Combat Team, before entering the U. S. Military Academy, from which he was graduated this month.

Following a European honeymoon, the couple will make their home at Bartow Air Base, Fla.

RILEY-SWANN — Miss Rosaly Swann, daughter of Mr. and Mrs. John Butler Swann of Stockbridge, Mass., was married to Mr. William Allen Riley, son of Col. and Mrs. James Wilson Riley of Greenwich, Conn., at St. Paul's Church, Stockbridge, on 19 June. The Reverend Dr. Alfred Starratt officiated.

The bride's attendants included Mrs. J. W. Riley, jr., Misses Judith Cannon, Virginia Haffner, Cynthia Hoyt and Lila Wilde. Mr. J. W. Riley, jr., served as best man for his brother and the ushers were Messrs. Herbert Patterson, David Anderson, Lee Pasterlon and Mark Swann, brother of the bride.

Mrs. Riley, who was graduated from Foxhollow School, is attending Wells College, where she will continue with her senior year. The bridegroom is an alumnus of the Pomfret School and Yale University and is now attending Graduate School at Syracuse University.

The couple will reside in Syracuse.

COLAW-MARSHALL — Miss Barbara Leah Marshall, daughter of Mr. and Mrs. Harry F. Marshall of East St. Louis, Ill., was married to Mr. Larry Warren Colaw, son of Col. and Mrs. Owen L. Colaw of

5530 Belfast Pl., N., Springfield, Va., on 4 June, at St. Paul's Evangelical and Reformed Church, Belleville, Ill. The Reverend P. J. Herman officiated at the double ring ceremony.

Given in marriage by her father, the bride chose her sister, Mrs. Robert Lanaghan as her matron of honor and only attendant. Capt. Phillip V. Howell, brother-in-law of the bridegroom, served as best man.

Mrs. Colaw was graduated this month from the Evangelical Deaconess Hospital School of Nursing, St. Louis, Mo. Mr. Colaw will receive a degree in Civil Engineering from Pennsylvania State University next January.

The couple are now making their home at 5090 Washington Blvd., St. Louis.

WEBB-GANTS — Col. Robert Tuthill Gants, MC, USA, Chief, Department of Surgery, Walter Reed Army Hospital, announces the engagement of his daughter Margaret Frances, to Lt. William Bryan Webb, USAF, son of Mr. and Mrs. William R. Webb of Orlando, Fla.

Miss Gants, the daughter of the late Frances Langmade of Oberlin, Kans., attended the Munich-American School in Germany during 1949 to 1953. She was graduated from Mount Vernon Seminary, Washington, D. C., and attended the Junior College.

Lieutenant Webb attended the Braden School at Cornwall on the Hudson and was graduated from the U. S. Military Academy on 2 June 1957.

An early wedding is planned.

Services Wives Clubs Elect New Officers

FT. HOLABIRD, MD. — Officers' Wives Club has elected Mrs. Franklin M. Fliniaux, President; Mrs. Pearson B. Yeager, Vice President; Mrs. Arthur M. Sears, 2d Vice President; Mrs. John J. Birdsell, Corresponding Secretary; Mrs. James W. Granberry, Recording Secretary; Mrs. Thomas O. Harrison, Treasurer; Mrs. Thomas M. Armour, Assistant Treasurer; Mrs. Howard W. Crabtree, Membership and Hospitality Chairman; Mrs. Tom K. Downey, Program Chairman; Mrs. Raymond E. Scully, Publicity Chairman; and Mrs. Paul Stansbury, Thrift Shop Chairman.

Elected to staff the board of officers for the Non-Commissioned Officers' Wives Club were: Mrs. Herbert Berger, President; Mrs. Robert R. Hunter, Vice President; Mrs. Albert Powell, Secretary; Mrs. Benjamin Taylor, Treasurer; Mrs. Anthony Kulikowski, Publicity Chairman; Mrs. Stephen Toth, Hospitality Chairman; and Mrs. Kenneth Brown, Entertainment Chairman.

VAIHINGEN, GERMANY — Mrs. Kay Blanton, wife of Capt. W. P. Blanton, is President of the Seventh US Army Wives Club here. She succeeds Mrs. J. W. Snee, who was presented a silver tray by Mrs. Bruce C. Clarke in ceremonies preceding the annual naming of officers.

Others elected to the new ruling group of the club are: Mrs. J. W. Woodberry, Vice President; Mrs. L. N. Altschuler, Treasurer, and Mrs. J. R. Duffy, Secretary.

FT. MASON, CALIF. Mrs. Harold Bowen, wife of Lieutenant Colonel Bowen of the U.S. Army Transportation Terminal Command, Pacific, is the new president of the Officers' Wives' Club.

Also elected at the club's June luncheon meeting were Mrs. Blaire Froehle, Vice-President; Mrs. Lewis Flamm, Recording Secretary; Mrs. John L. King, Corresponding

Secretary; Mrs. Erman Newman, Treasurer, and Mrs. J. L. Haire, Vice-Treasurer.

Honorary president is Mrs. Charles F. Tank, wife of Brigadier General Tank, Commanding General of USATTCP. Mesdames Robert Larson and Harry Chuck will serve as club advisors.



MRS. HARRY T. MEYERS, (left) outgoing president of the Fort Lawton Officers' Wives Club and wife of Col. Meyers, Deputy Commander at the Seattle Army Terminal, presents the gavel, the symbolic emblem of office, to the newly elected president, Mrs. Lowe Herndon, wife of Col. Herndon, Chief of the Equipment Division at the Seattle Army Terminal.

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6-29



NEWLY INSTALLED OFFICERS of the Griffiss Air Force Base Officers Wives Club, left to right: Mesdames Robert Rubin, assistant secretary; John Feasel, secretary; Eugene Willis, first vice president; Leonard J. Harless, president; Charles Smith, second vice president; and Maynard Shubring, treasurer. Mrs. George Lagarde, assistant treasurer, was not present when photo was taken.

■ **PORTSMOUTH AFB, N. H.** Newly-elected officers of the Officers Wives' Club are: Louise Rifkin, President; Bea Brandon, First Vice President; Irene Duckworth, Second Vice President; Pat Ellsworth, Treasurer; Mirrella Hendron, Assistant Treasurer; Ann O'Brien, Recording Secretary, and Edith Carlson, Corresponding Secretary.

■ **OGDEN, UTAH.** New president of the Officers Wives' Club at Utah General Depot is Mrs. Emery H. Tolver.

She succeeds Mrs. William A. Ross who has served as president during the past year. Mrs. F. G. Thompson, wife of Colonel Thompson, Depot commanding officer, will continue to serve as honorary president.

Other officers elected were: Mrs. John H. Cates, first vice-president; Mrs. T. D. Chisman, second vice-president; Mrs. Almie H. Beaudry, secretary, and Mrs. Paul J. Funk, treasurer.

Farewells were said to the following club members who, with their husbands, will leave the post in the near future for new assignments: Mrs. Lawton F. Garner, Mrs. Frank

W. Moore, Mrs. Marian Bandley, Mrs. C. E. Plister, Mrs. W. W. Beutler, Mrs. Charles Sheehan, and Mrs. J. E. Roach.

■ **LOS ANGELES, CALIF.** — At the June Luncheon of the Air Force Officers Wives Club of Inglewood (Air Force Ballistic Missiles Division) the business meeting was conducted by the newly elected President, Mrs. Robert E. Moore. Serving with her as new officers are Mrs. Quentin A. Riepe, Vice President; Mrs. Prentice B. Peabody, Recording Secretary; Mrs. Leonard A. Staszak, Corresponding Secretary; Mrs. William B. Arnold, Treasurer and Mrs. Floyd Revere, Assistant Treasurer.

Mrs. Bernard A. Schriever, wife of the Commander, Air Force Ballistic Missiles Division and honorary president of the Wives' Club, presented an engraved gavel to Mrs. Joseph C. Bogert, retiring president for her excellent leadership while in office.

■ **KEESLER AFB, MISS.**—President of the Officers Wives' Club for the coming year will be Mrs. John T. Hazard. Others newly-elected are First Vice President, Mrs. Joseph Priest; Second Vice President, Mrs. Joseph Clark; Recording Secretary, Mrs. Irwin Rosen; Corresponding Secretary, Mrs. Lawrence Porter, and Treasurer, Mrs. Alvin Jackson.

A certificate of appreciation was presented to Mrs. Fay Upthegrove, Honorary President, by Sue Ambrose, Acting President. General Upthegrove retires in July.



STUTTGART, GERMANY—At a cocktail and dinner party held at the Seventh U. S. Army Officers Club, the Army Staff Judge Advocate, Col. and Mrs. Robert J. O'Connor were the honor guests, before their departure for Washington, D. C., where Colonel O'Connor has been assigned to the Office of the Judge Advocate General. Seen here (l to r) are Mrs. Claude E. Reitzel, Colonel Reitzel, Mrs. O'Connor, Colonel O'Connor, Mrs. N. T. Rieger, Brig. General Rieger, USAREUR Judge Advocate, Mrs. E. T. Conley, Brig. General Conley, Seventh Army Chief of Staff, Mrs. Magee, Maj. Gen. John C. Oakes, Deputy Army Commander, Mrs. Bruce C. Clarke, Lt. General Clarke, Army Commander, and Lt. Col. Lauren A. Arn, who served as toastmaster.

U. S. NAVY ORDERS

Thomas S. Gates—Secretary of the Navy

William B. Franke—Under Secretary of the Navy

Garrison Norton—Assistant Secretary of the Navy for Air

Fred A. Bantz—Assistant Secretary (Material)

J. Sinclair Armstrong—Assistant Secretary (Financial Management)

—Assistant Secretary (Manpower, Personnel & Research Forces)

Admiral Arleigh A. Burke—Chief of Naval Operations

CAPTAIN

Deranian, Paul (MC), NAS MOFFETTFIELD; to NAS ATSUGI.

Kohr, George L., CO NAS GTMO; to COFS & AIDE COMNAVFORCONAD.

Stewart, John R., BUAER; to CO NAS WILLOW GROVE.

Wallace, Thomas G., INSMAT CHGO; to SUP INSMAT CENDIST CHGO.

Chung Hoon, Gordon P., CO USS NORTON SOUND; to OPNAV.

Kuhl, Joseph H., STAFF CINCPACFLT; to CO USS INTREPID.

McGoldrick, Joseph A., STAFF CINCNELM; to ACOFS FOR PERS COM 14.

Schufeldt, Dean (MC), NAVHOSP BEAUFORT; to NAVSTA SUBIC BAY.

Solenberger, Earl K., CO USS CACAPON; to INSMAT CHGO.

Hydeman, Earl T., CO USS KAWISHIWI; to COMDESRON 9.

Reiter, Harry L., JR., PLANS & TOFF STAFF COMFIRSTFLT; to CO USS TOLEDO.

Besson, John H., Jr., DEPCOFS FOR CIVIL AFFAIRS STAFF CINCFE; to ASTCOFS FOR CIVIL AFFAIRS STAFF CINUNC/COMUSFORKOREA.

Fowler, Gordon, THE JSTAFFOFC JCS WASHDC; to CO AIRTRANSRON 3.

Groverman, William H., Jr., CO USS MISSISSINEWA; to CO USS DES MOINES.

Hodge, Ferris G. (DC), NAVDENTALCLINIC YOKOSUKA; to NAVSTA SEATTLE.

Jaruszewski, Edward J. (MC), NAVHOSP PORTSMOUTH VA; to CHMED NAVHOSP NPT.

Lang, James G., CO NAVSTA BERMUDA; to JSTAFF CINCONAD ENTAFF.

Miller, Walter R. (MC), NAVHOSP SDIEGO; to OFFICER IN COMD NAVHOSP IN USS HAVEN.

Sanders, Russell F. (MC), NAVADCOM NTC GLAKES; to NAVHOSP GLAKES TRMT.

Lederer, William J., Jr., STAFF CINCPACFLT; to JSTAFF CINCPAC.

Saunders, Leonard H. (SC), SUP & FISCAL

OFF NAS GLEN; to OIC NAVAREA AUD OFC SFRAN.

Waller, Midford D. (DC), NAF ELIZCTY; to 3dMARDIV (REINF) FMF.

Bottomley, Harold S., NWC WASHDC DUINS; to BUPERS TEM.

Kirm, Louis J., CO USS CURRITUCK; to CO USS RANDOLPH.

Nusom, Frank A., ALUSNA & ALUSNA FOR AIR MANILA; to ONR NAVDEPT.

Turner, Charles H., THE JSTAFFOFC JCS WASHDC; to CO USS VALCOUR.

Voorhies, James F., STAFF COMFLOGWING PAC; to OPNAV.

Williams, Robert A. (SC), CO NSD GTMO; to NAVHOSP BETHESDA TRMT.

COMMANDER

Albrecht, Herbert C. (ChC), NAVADCOM US NAVPGSCOL MONTEREY; to NAS AGANA GUAM.

Baughan, Robert L., BUORD; to USS SALEM.

Chalkley, Johnnie W., Jr., FLOGWINGLANT/CONTINENTAL; to AEWRON 13.

Golden, William A., Jr., OPNAV; to CO FIT RON 143.

Herrmann, Otto D. F. (ChC), NAVHOME PHILA; to NAS NRLNS.

Mahan, James E., NAS SEATTLE; to NAV SEC MAAG TAIWAN TSOYING.

Mason, Thomas C. (SC), ONM NAVDEPT; to NAVADCOM USNAVPGSCOL MONTEREY.

McIntosh, David M., FLETAGRU GTMO; to NROTCU ALABAMA POLYTECHNIC INS.

Morton, Paul C. (ChC), NAS AGANA GUAM; to NAVHOSP OAK.

Reeve, Delos B., NAF NAPLES; to NAB 5ND.

Tuxbury, Vernon W. (ChC), BSNVSHIPYD; to USS NEWPORT NEWS.

Williams, Paul J., JSTAFF CINCFE; to 5ND.

Wyrick, James W., FLOGWINGLANT/CONTINENTAL; to ICEDEFOR.

Concannon, Charles F., OIC NAVCOMM NR NINE; to CO NAVCOMMSTA BALBOA.

Culp, Dennis K. (CEC), AREAPWOFMARIANAS GUAM; to ASSTOIC BUDOCKS CONTRS LEMOORE.

Deane, Donald C., USNA ANNA; to JSTAFF CINCPAC.

Dvoracek, Charles F., NAVFE; to SERVPAC.

Hay, Alexander G., MSTSO HONO; to MSTPACAREA.

Hirst, John M. (MSC), NAS ALAMEDA; to NAVPVNTMEDU NR SIX.

Magee, Alfred W., Jr., FLOGWINGLANT/CONTINENTAL; to AIRLANT.

McAdams, John B. (MC), NAVHOSP OAK TEM; to NOTS CHINA LAKE.

Ostrom, Dewey A., SUBPAC; to BUPERS.

Simdars, Paul H., AIRTRANSRON 5; to FLE TACTSUPRON 21.

Stallknecht, Leland P., 9ND; to NAVADCOM NTC GLAKES.

Superfine, Irving J., CO USS ENGLISH; to BUPERS.

Wetmore, Irving E., SUBDEVGRU TWO; to OIC NAVGMU NR 55.

Berger, Nels L., NAS OLATHE; to NAS NY FLOYD BENNETTFIELD BKLYN.

Cathcart, John H. (DC), USS PIEDMONT; to NAS MFS.

Cease, John M., JSTAFF CINCFE; to JSTAFF CINCPAC.

Geer, Lester E., NAVFE; to NAVFORJAPAN.

George, Paul J., USS CURTISS; to USS GARDINERS BAY.

Hanson, Reinold H., 3ND TEM; to NAND SEAL BEACH.

Imler, Norman C., HQFECOM; to USFOR JAPAN.

Kenton, Howard B., AEWRON 13; to NAVCIC SCOL NAS GLYNCO BRUNSWICK.

Laird, Ian M., SERVPAC; to CO USS CARPENTER.

McCuskey, Elbert S., USS HORNET; to AIR PAC.

McKelvey, Thomas R., Jr., USS KEARSARGE; to NAVWARCOL NPT.

O'Brien, William B., AEWRON 15; to NAB 3ND.

Philippbar, Joseph W., Jr., DESLANT TEM; to CO USS KENNETH D. BAILEY.

Powers, George P., NAVFORCONONADRGN GRANDVIEWAFB; to NAVDEP 20 CONTINENTAL AIRDEP DIV GRANDVIEWAFB.

Sands, James F., NATESTEN FAXRIV; to AWFITRON 3.

Scott, Clayton M., NAS OCEANA; to CAR AEWRON 12.

Skinner, James L., OFC OF BAR GLENN L MARTIN CO BALTO; to NAAS REAMFLD IMPERIAL BEACH.

Stephenson, Marion O. (ChC), NATECHTC NAS JAX; to AIRLANT.

Appleton, Woodbury, STAFF SACLANT; to DESLANT TEM.

Buchanan, Joseph O. Jr., CINCPAC COMDREP AT COORD CEN FE TOKYO; to USS POINT DEFIANCE.

Cafferata, William F., THE JSTAFFOFC JCS WASHDC; to CO USS BLANDY.

Chapman, Cedric L., STRATOPFORFE; to BUORD.

Grable, Edward F. (CEC), DPWO 3ND; to NAS CORPC.

Harvey, Morton, CO USS PLYMOUTH ROCK; to MSTSLANTAREA.

Jones, Arthur W., NAB 3ND; to AIRDEV RON 6.

Lemmon, Robert H., RECRUITRACOM NTC SDIEGO; to CO USS SPROSTON.

Lyons, Howard H. (MC), AIRTRANSRON 3; to USS LEYTE.

Seltz, Eugene W., NAVFE; to USS FRANKLIN D. ROOSEVELT.

Vessell, Frank G., USS GREENWICH BAY; to OPNAV.

Weinel, John P., CARDIV 5; to OPNAV.

Williams, Ralph E., Jr. (SC), OPNAV; to JSTAFF CINCPAC.

Albritton, Alton S., AIRTRANSRON FIVE; to FLETACSUPRON 21.

Bradley, Paul F. (ChC), NAVSUBASE NLON; to NAVACTYS ROTA.

Curtis, Ralph A. (ChC), NAS ALAMEDA; to NAVSTA PEARL.

Edwards, Irwin G. (DC), USS LEXINGTON; to MARCORCRUITDEP PARRIS IS.

Findley, Lloyd G., STAFF CINCPACFLT; to JSTAFF CINCPAC.

Holway, Richard T. (MSC), NAVPVNTMEDU NR SIX; to NAS ALAMEDA.

Kenny, Edward T., STAFF CINCPACFLT; to JSTAFF CINCPAC.

Naureckas, John M., AIRTRANSRON 24; to FLETACSUPRON 21 DET NORIS SDIEGO.

Ogren, Edwin E., NAS MIRAMAR SDIEGO; to AIRDEVRON SIX.

Owen, William D., Jr., OIC CRUITNOP SFRAN; to CO USS JOHN S MCCAIN.

Sedwick, John W., CRUDESPEC TEM; to CO USS HANSON.

Sellers, Charles W., Jr., AEWRON 13; to NAVLOFF LOCKHEED AIR SERVINTL AEWLANT LIAISONDET JAMAICA LI.

Yost, Allan D., CO NAVMARCORESTC BUTTE; to ONR BROFC PASADENA.

Bauser, Edward J., IDAHO OPERATIONS OFC AEC IDAHO FALLS; to CHICAGO OPERATIONS OFC AEC CHGO.

Fellows, Fred J., NAVFORJAPAN; to JSTAFF CINCPAC.

Holton, Harrison H., JSTAFF USCINCEUR; to 12ND.

Lyons, Earle Vaughan, (ChC), MARCORB CAMELEJ; to SUBCOMNELM/HEDSUPPACT NAPLES.

MacNair, Martin P., LPHOTORON 62; to USS BENNINGTON.

McGrady, Waldo J., CARAEWRON 12; to CARAIRGRU 10.

Runyon, Donald E., CO FASRON TWO; to HATWG ONE.

Seller, Edward H., Jr., USS LEXINGTON; to BUPERS.

Wall, Maurice E., CO USS HAROLD J ELLISON; to STAFF CINCLANTFLT.

Zerfoss, Allen B. (SC), JSTAFF USCINCEUR; to STANDARD OIL CO OF NJ NYK.

LIEUTENANT COMMANDER

Ainsworth, Herbert S., BUAER; to NAS PORT LYAUTEY.

Baldwin, Robert J. (SC), ESO GLAKES; to NAVSEC MAAG FRANCE PARIS.

Bemis, Isaac C., NAVCOMMFAC YOKOSUKA; to NAVSECGRUHEADCTY WASH DC.

Brownlee, Oliver L., AIRSHIPRON FOUR; to AIRSHIPRON THREE.

Cullen, Curtis, (SC), 4ND; to PWCEEN MARIANAS GUAM.

Dangelo, Anthony S., SECONDMARDIV FMF; to NELM.

Dellarocca, Peter N., OFC OF INFO NAVDEPT; to NAVFORKOREA.

Halloran, Louis P., FLEWEACEN PEARL; to EASTSEAFRON.

Hantsche, Edgar M., NEWLONGRU; to SUBSUPOFC PHILA.

Hughes, Benjamin F. (ChC), NAVHOSP PHILA; to SECONDMARDIV FMF.

Jenkins, James E., NELM; to NAVWARCOL NPT DUINS.

Jensen, Gilbert A. (ChC), NAS WHIDBEYIS OAKHAR; to USS TOLEDO.

Kingry, Walton W., NATECHTC MFS; to NAVSEC MAAG UK LONDON.

McClellan, John W., NAVADCOM AFSC NORVA; to COMIDEASTFOREP BAHRAIN.

McVicker, Robert J., USS ALBANY; to NGF WASHDC.

Miller, Berwyn J., AIRTRANSRON 22; to AIRTRANSRON THREE.

Mims, Don A., AIRTRANSRON SIX; to AIRTRANSRON 22.

Pilgrim, Samuel W., Jr., AIRSHIPRON FOUR; to AIRSHIPDEVRON 11.

Rueber, Gerhard W., CO USS RECLAIMER; to CO NAVMARCORESTC MADISON.

Swanson, Donald E., AIRSHIPRON FOUR; to AIRSHIPDEVRON 11.

Taylor, John C., Jr., USS SAN PABLO; to NAVRECSTA NAVB PHILA.

Watts, John E. (ChC), USS NEWPORT NEWS; to NAVSCSOL ATHENS.

Barkley, Wilfred L., AIRSHIPRON FOUR; to AIRSHIPRON THREE.

Brewington, William I., CO USS MAURICE J MANUEL; to FMFLANT.

Casteen, John D., PATRON 56; to NAS NORVA.

Daschbach, John C., USS NAVARRO; to SERVPAC.

Davis, Carl, Jr., CRUDESPEC; to TRAPAC.

Donahue, Conrad, AEWRON 13; to NAB 4ND.

Gore, Frederick S., NAS CORPC; to AIRPAC TEM.

Howard, Carl L., NAVPHIBTESTEVALU LCREEK; to DESRON 34 TEM.

Jennings, Kenneth H., NAVSTA ARGENTIA; to NAVCOMMSTA SDIEGO.

—Continued on page 39

Births • Marriages • Deaths

(No charge for Service announcements. Please notify promptly.)

Born

ALLGAIER—Born at Ft Leonard Wood, Mo, 9 June, to 2d Lt and Mrs Francis J Allgaier, a daughter, Mary Louise.

AZAR—Born at Ft Eustis, Va, 14 June, to Capt and Mrs Joseph S Azar, a daughter.

BARGE—Born at Ft Meade, Md, 15 June, to 2d Lt and Mrs Beverly L Barge, a son.

BARKER—Born at Ft Belvoir, Va, 11 June, to Col and Mrs George M Barker, a daughter.

BARTOW—Born at Ft Dix, NJ, 13 June, to CWO and Mrs Leroy V Bartow, a daughter, Frances Marie.

BINGENHEIMER—Born at Brooke AH, Ft Sam Houston, Tex, 17 June, to CWO and Mrs Raymond P Bingenheimer, a daughter, Valerie Marie.

BINDER—Born at Ft Monmouth, NJ, 17 June, to 2d Lt and Mrs Fremont E Binder, 2023 Megill Dr, Eatontown, NJ, a son.

BOLDRINI—Born at Ft Ord, Calif, 2 June, to Lt (jg) and Mrs Guillermo A Boldrini, 472 Sloat Ave, Monterey, Calif, a son, Guillermo Humberto.

BROWN—Born at Ft Belvoir, Va, 12 June, to Fred C Dyer, Jr, Cincinnati, Ohio, a son, 2d Lt and Mrs Thomas C Brown, a daughter.

BUCKLOW—Born at Ft Belvoir, Va, 11 June, to Capt and Mrs Robert G Bucklow, a son.

BYNE—Born at Griffiss AFB, Rome, NY, 10 June, to 1st Lt and Mrs Thomas Byne, a daughter.

CARLSON—Born at Orland AFB, Fla, 16 June, to Maj and Mrs William Carlson, a son.

CARTENSEN—Born at Neubrucke/Nahe, Germany, 6 June, to M/Sgt and Mrs Vernon K Cartensen, a daughter, Diane Carol.

CHAPMAN—Born at Neubrucke/Nahe, Germany, 9 June, to Sfc and Mrs John L Chapman, a son, Daniel Lee.

COYLE—Born at Neubrucke/Nahe, Germany, 12 June, to Sfc and Mrs James A Coyle, a son, Ronald Thomas.

COYNE—Born at Ft Dix, NJ, 13 June, to 1st Lt and Mrs John J Coyne, a son, Timothy Michael.

COX—Born at Heidelberg, Germany, 17 June, to Capt and Mrs Cleatus J Cox, Co B, 78th Engr Bn, APO 164, New York, NY, a son, Kendall Page, grandson of Col (Ret) and Mrs P G Peterson, Cocoa Beach, Fla, and of Mr and Mrs A C Cox, sr, Quincy, Ill.

CREVELING—Born at West Point, NY, 5 June, to Lt (jg) and Mrs Joseph D Creveling, a son, Daniel Geoffrey.

CURTIS—Born at Ft Belvoir, Va, 8 June, to 1st Lt and Mrs John L Curtis, a son.

DALE—Born at Brooke AH, Ft Sam Houston, Tex, 13 June, to Capt and Mrs Robert Dale, a daughter, Cathleen Marie.

DALY—Born at Brooke AH, Ft Sam Houston, Tex, 13 June, to Capt and Mrs Roger G Daly, a son, Dennis Davis.

DANIELS—Born at Neubrucke/Nahe, Germany, 11 June, to Sp2 and Mrs Paul T Daniels, a daughter, Carol Lynn.

DAVIS—Born at Brooke AH, Ft Sam Houston, Tex, 12 June, to Maj (Ret) and Mrs William G Davis, Jr, a daughter, Michelle.

DAVIS—Born at West Point, NY, 13 June, to 1st Lt and Mrs Richard L Davis, a son, Mark Richard.

DAVISON—Born at Bolling AFB, Washington, DC, 15 June, to Capt and Mrs Ronald E Davison, a son.

DERINGER—Born at Ft Meade, Md, 14 June, to 1st Lt and Mrs Clifton H Deringer, Jr, a daughter.

DICKINSON—Born at Quantico, Va, 13 June, to 1st Lt and Mrs Don Dickinson, a son, Don Deems.

DURRETT—Born at Ft Leonard Wood, Mo, 11 June, to Capt and Mrs Michael L Durrett, a daughter, Deborah Michele.

DYER—Born on 15 May, to Mr and Mrs Fred C Dyer, Jr, Cincinnati, Ohio, a son, Fred C Dyer, 3d, grandson of Col and Mrs Fred C Dyer, of Ft Benjamin Harrison and Indianapolis, Ind.

EGGERS—Born at Neubrucke/Nahe, Germany, 9 June, to Sfc and Mrs Marvon A Eggars, a son, Michael Andrew.

FIELD—Born at Quantico, Va, 16 June, to Capt and Mrs Harold J Field, a son, Harold James, 2d.

FIELDS—Born at Neubrucke/Nahe, Germany, 12 June, to Sp2 and Mrs Robert W Fields, a son, Stephen Wendell.

FITZGERALD—Born at Ft Leonard Wood, Mo, 9 June, to 1st Lt and Mrs Thomas W Fitzgerald, a daughter, Connie Jean.

FLORES—Born at Bolling AFB, Washington, DC, 15 June, to 1st Lt and Mrs Richard A Flores, a daughter.

FOSTER—Born at Ft Ord, Calif, 2 June, to 1st Lt and Mrs Sherman R Foster, 118 Leidig Circle, Monterey, Calif, a son, Timothy Andrew.

FREEMAN—Born at Neubrucke/Nahe, Germany, 13 June, to Sfc and Mrs L J Freeman, a daughter, Gwendolyn.

GAVIN—Born at Nellis AFB, Las Vegas, Nev, 7 June, to Capt and Mrs Frederick J Gavin, Jr, 66 Kinley Dr, Las Vegas, their fourth child and first son, Frederick Joseph, 3d.

GOODROW—Born at Fitzsimons AH, Denver, 18 June, to Capt (USAF) and Mrs Floyd E Goodrow, a daughter.

GORDON—Born at Ft Riley, Kans, 15 June, to Maj and Mrs Preston O Gordon, a son, Preston Van.

GORTON—Born recently at San Diego, Calif, to Lt and Mrs Robert J Gorton, a daughter, Mary Taylor, granddaughter of Col (USMC, Ret) and Mrs Floyd Bennett.

GREENBERG—Born at Griffiss AFB, Rome, NY, 14 June, to 1st Lt and Mrs Russell Greenberg, a son.

GRIFFITH—Born at West Point, NY, 16 June, to Capt and Mrs Stephen M Griffith, Qtrs 114-12, West Point, their third son, John Boughan.

GUNDERSON—Born at Ft Jackson, SC, to 1st Lt and Mrs Raymond E Gunderson, a son.

HAHN—Born at Brooke AH, Ft Sam Houston, Tex, 11 June, to 2d Lt and Mrs Frederick W Hahn, Jr, a daughter, Debra Louise.

HAMILTON—Born at William Beaumont AH, El Paso, Tex, 1 June, to Lt Col and Mrs Howard E Hamilton, Qtrs 547 B, Ft Bliss, Tex, a son, Richard Don.

HAWKINS—Born at Ft Riley, Kans, 16 June, to 1st Lt and Mrs Eugene D Hawkins, a son.

HEIZER—Born at Carlisle Bks, Pa, 20 June, to Capt (USN) and Mrs Isaac J Heizer, a daughter.

HESTER—Born at Ft Meade, Md, 13 June, to CWO and Mrs Joseph L Hester, a son.

HEWETT—Born at Ft Riley, Kans, 14 June, to 1st Lt and Mrs Bobby J Hewett, a son, Michael Scott.

HIGGASON—Born at Griffiss AFB, Rome, NY, 9 June, to 1st Lt and Mrs Fred Hig-gason, a son.

HOAR—Born at Ft Riley, Kans, 16 June, to Maj and Mrs John W Hoar, a daughter, Elizabeth Ann.

HOYNACK—Born recently at San Antonio, Tex, to 1st Lt and Mrs Peter Hoynack, 123 Savannah Dr, San Antonio, Tex, a son, Bryan Clifford.

HUBBARD—Born at Toole Ord Base, Utah, 16 June, to Capt (SigC) and Mrs N F Hubbard, Qtrs 21, Box 2866, Ft Douglas, Utah, a son, Joseph Fallor.

HYDE—Born at Ft Ord, Calif, 1 June, to 1st Lt and Mrs Patrick M Hyde, 156 Monterey Rd, Monterey, Calif, a daughter, Kathleen Anne.

JOHNSON—Born at Griffiss AFB, Rome, NY, 7 June, to 2d Lt and Mrs Benny Johnson, a son.

JONES—Born at Ft Leonard Wood, Mo, 14 June, to Capt and Mrs Harold D Jones, a son, Jameson Eric.

KEELER—Born at Ft Ord, Calif, 5 June, to Capt and Mrs William Keeler, 328 South Branciforte, Santa Cruz, Calif, a daughter, Yvonne.

KIEFER—Born at West Point, NY, 6 June, to 1st Lt and Mrs Homer W Kiefer, Jr, a son, Homer Watson, 3d.

KISSAM—Born at Ft Meade, Md, 13 June, to Maj and Mrs Richard V Kissam, a daughter.

KLIMAITIS—Born at Ft Meade, Md, 17 June, to 1st Lt and Mrs Robert Klimaitis, a daughter.

KNAZIK—Born at Ft Dix, NJ, 14 June, to 1st Lt and Mrs Carl W Knazik, a son, Martin Joseph.

KUHN—Born at West Point, NY, 8 June, to Capt (Ret) and Mrs Irving Kuhn, a son, Michael Alban.

KURTH—Born at Neubrucke/Nahe, Germany, 10 June, to 1st Lt and Mrs Harry G Kurth, a son, Gregory Alan.

LACAGNINA—Born at Ft Belvoir, Va, 8 June, to Capt and Mrs Patsy M Lacagnina, a daughter.

LAUX—Born at Fitzsimons AH, Denver, 20 June, to Capt and Mrs France A Laux, a son.

LAWRENCE—Born at Ft Ord, Calif, 12 June, to Capt and Mrs Roy H Lawrence, 116 Velasco, Monterey, Calif, a son, James.

LEONARD—Born at Ft Meade, Md, 13 June, to 1st Lt and Mrs Dan Leonard, a daughter.

LYLE—Born recently at Ft Polk, La, to Maj and Mrs James W Lyle, a son, Patrick Joseph.

MACDONALD—Born at Bad Kreuznach, Germany, 11 June, to Capt (USA) and Mrs Malcolm E MacDonald, 63 Section Hq 2d Arm Div, APO 42, New York, NY, a son, Malcolm Paul.

MALOUF—Born at Ft Carson, Colo, 6 June, to Capt and Mrs George S Malouf, 2458 Lafayette Rd, Ft Carson, a daughter.

MANDEVILLE—Born at Quantico, Va, 13 June, to Col and Mrs Samuel D Mandeville, Jr, a son, Eric.

MANN—Born at Brooke AH, Ft Sam Houston, Tex, 11 June, to Capt and Mrs Julian C Mann, a daughter, Shirley Ann.

MCCREADY—Born at Ft Ord, Calif, 5 June, to 2d Lt and Mrs David J McCready, 328

Leinbach, Monterey, Calif, a son, David John, Jr.

McGREGOR—Born at Ft McPherson, Ga, 6 June, to 1st Lt and Mrs Thomas McGregor, a son, George Woodburne, namesake of his uncle, Col George W McGregor, USAF, Ret, Pebble Beach, Calif, and grandson of Col (USA, Ret) and Mrs Thomas McGregor, of Pebble Beach, Calif, and of Col and Mrs Arthur B Thayer, of 2860 S Buchanan St, Arlington, Va, Mrs McGregor is the former Lucille Collette Thayer. Lt McGregor is aide-de-campe to Maj Gen Crump Gavin of Ft McPherson.

McELHANON—Born at Ft Belvoir, Va, 11 June, to Maj and Mrs Charles D McElhanon, a daughter.

McMILLEN—Born at Ft Monmouth, NJ, 18 June, to Maj and Mrs Richard J McMillen, Box 212-A, Miller's Crossing, Atlantic Highlands, NJ, a son.

McMILLEN—Born at Ft Meade, Md, 16 June, to Capt and Mrs Francis McMillen, a daughter.

MILLER—Born at Ft Leonard Wood, Mo, 12 June, to Lt and Mrs Joseph L Miller, a son, Wayne Darryl.

MOORE—Born at Balboa Naval Hosp, San Diego, Calif, 15 June, to Lt and Mrs Robert S Moore, a son, David Robert.

MOORE—Born at Ft Belvoir, Va, 8 June, to Lt Col and Mrs Joseph W Moore, a son.

MOORE—Born at Brooke AH, Ft Sam Houston, Tex, 11 June, to 1st Lt and Mrs Jimmy D Moore, a daughter, Maria Gaye.

MUNINGER—Born at Neubrucke/Nahe, Germany, 12 June, to Sgt and Mrs Chester W Muninger, Jr, a son, Chester William, 3d.

MURPHY—Born at Ft Riley, Kans, 16 June, to 1st Lt and Mrs Donald G Murphy, a daughter, Susan.

NELSON—Born at Ft Monmouth, NJ, 15 June, to 2d Lt and Mrs James L Nelson, Van's Trailer Ct, Eatontown, NJ, a son.

NELSON—Born at Brooke AH, Ft Sam Houston, Tex, 12 June, to Capt and Mrs Delano R Nelson, a son, Raoul Denis.

NINO DE ZEPEDA—Born at Ft Ord, Calif, 10 June, to Lt (USN) and Mrs Alberto S Nino De Zepeda, 1064 8th St, Monterey, Calif, a son, Alberto.

OTTO—Born at Griffiss AFB, Rome, NY, 7 June, to 1st Lt and Mrs Kenneth Otto, a daughter.

PRESS—Born at Neubrucke/Nahe, Germany, 9 June, to 1st Lt and Mrs Erich P Press, a son, Mark Lee.

PUGH—Born at Mercer Hosp, Trenton, NJ, 25 Apr, to former S/Sgt (USAF) and Mrs Robert E Pugh, a daughter, Colleen Elizabeth, granddaughter of Col Irving E Pugh, USA, Ret, of 23 Henderson Place, Hamburg, NY, and of Mr and Mrs Walter Yates, of Trenton, NJ.

REITER—Born at Ft Meade, Md, 15 June, to 1st Lt and Mrs Robert J Reiter, a son.

REPETTO—Born at Neubrucke/Nahe, Germany, 12 June, to Capt and Mrs Phillip L Repetto, Jr, a son, John Richard.

RICHARDSON—Born at Ft Lee, Va, 10 May, to Lt Col (USA) and Mrs Hugh F Richardson, 625 Conduit Rd, Colonial Heights, Va, a daughter, Mary Elizabeth.

SAGLIO—Born at Ft Belvoir, Va, 11 June, to 2d Lt and Mrs Richard J Saglio, a son.

SAGONA—Born at Ft Ord, Calif, 4 June, to 1st Lt and Mrs Robert G Sagona, Qtrs 405A, Presidio of Monterey, Calif, a daughter, Patricia Louise.

SCARPATO—Born at Ft Dix, NJ, 16 June, to Capt and Mrs Joseph C Scarpato, a son, James Edward.

SEIPP—Born at Quantico, Va, 14 June, to Maj and Mrs Leroy A Seipp, a son, Randall Ray.

SHARP—Born at Griffiss AFB, Rome, NY, 8 June, to 1st Lt and Mrs Eugene Sharp, a son.

SHAYER—Born at Ft Carson, Colo, 7 June, to Lt and Mrs William B Shayer, 805 S Logan St, a son.

SIMMS—Born at Ft Monmouth, NJ, 13 June, to Capt and Mrs Robert J Simms, 97 Tindall Rd, Middletown, NJ, a daughter.

SIROIS—Born at West Point, NY, 10 June, to Capt and Mrs Raymond J Sirois, a son, Michael Raymond.

SLOUGH—Born at Quantico, Va, 10 June, to 2d Lt and Mrs Phillip G Slough, a daughter, Margaret Elizabeth.

SPEER—Born at Ft Ord, Calif, 13 June, to 1st Lt and Mrs Robert M Speer, 305 McDermald, Monterey, Calif, a daughter.

SPENCE—Born at Quantico, Va, 12 June, to 2d Lt and Mrs Dale W Spence, a daughter, D'Anne Kay.

STANCOCK—Born at Gorgas Hospital, Ancon, Canal Zone, 18 June, to Col and Mrs Joe Stancock, USAF, a son, Joe Anthony.

STONE—Born at Quantico, Va, 14 June, to 2d Lt and Mrs Frederick R Stone, a daughter, Robin Lorraine.

STRAUSSER—Born at Griffiss AFB, Rome, NY, 15 June, to 1st Lt and Mrs Charles Strausser, a son.

SUSSEL—Born at Kentucky Baptist Hosp, Louisville, Ky, 9 June, to Capt and Mrs Malcolm A Sussel, a son, Kenneth Ronald.

THOMAS—Born at Ft Belvoir, Va, 7 June, to Maj and Mrs John P Thomas, a daughter.

THOMAS—Born at Brooke AH, Ft Sam Houston, Tex, 12 June, to 2d Lt and Mrs Charles R Thomas, a son, Charles R, Jr.

THOMAS—Born at Ft Eustis, Va, 18 June,

to Capt and Mrs Charles N Thomas, a daughter.

TWARDZIAK—Born at Heidelberg, Germany, 11 June, to Maj and Mrs Anthony J Twardziak, 34AAA Brig, APO 28, New York, NY, a daughter, Ellen Mary.

WHYLAND—Born at Griffiss AFB, Rome, NY, 14 June, to 1st Lt and Mrs William Whyland, a son.

WILKLOW—Born at West Point, NY, 8 June, to Lt (jg) and Mrs Leighton B Wilklow, a daughter, Julie Ann.

WILLIAMS—Born at Ft Ord, Calif, 4 June, to Lt (USN) and Mrs Charles K Williams, 111 Malloway Lane, Monterey, Calif, a daughter, Dorothy Gaye.

WILLWERTH—Born at Ft Ord, Calif, 4 June, to 1st Lt and Mrs Dean R Willwerth, 233 Leinbach, Monterey, Calif, a daughter, De Ann.

WOODINGTON—Born at Carlisle Bks, Pa, 18 June, to 1st Lt and Mrs C Donald Woodington, a son.

Married

ANDERSON-MIDLAM—Married at the First Methodist Church, Lake Charles, La, 22 June, Miss Elizabeth Midlam, daughter of Mr & Mrs Edward West Midlam of Lake Charles, and Lt Edwin McCoy Anderson, Jr, USA, son of Mr & Mrs Anderson of Columbus, Miss.

BARBER-BAKER—Married at the Post Chapel, Ft Leavenworth, Kans, 2 June, Miss Charity N Baker, daughter of Dr & Mrs William L Baker of Muskogee, Okla, and Lt Col Henry Anson Barber, 3d, USA, son of Mrs Henry A Barber of Winter Park, Fla, and the late General Barber.

BEASLEY-FLEMING—Married at the Camp Voluceau Chapel, near SHAPE Hq, Paris, France, recently, Miss Patricia Anne Fleming, daughter of Brig Gen & Mrs Robert J Fleming, Jr, of Verdun, France, and 2d Lt Benjamin B Beasley, USA, son of Col & Mrs Oscar B Beasley of Paris.

BLAKENEY-GRAHAM—Married at St Bartholomew's Church, New York City, Miss Thelma Graham, daughter of Mme. Vasco Vieira Garin, and the late Dr Albert Graham, and Mr Creswell Garrettson Blakeney, Jr, son of Colonel (USA-Ret) & Mrs Blakeney, sr, of Bronxville, NY.

BRAUN-LEE—Married at the Methodist Church, Westminster, Md, 9 June, Miss Sandra Jean Lee, daughter of Dr & Mrs Robert E Lee of Westminster, and Lt Cecil Owen Braun, USAF, son of Cdr & Mrs John O Braun of Palo Alto, Calif.

BRUEN-LEE—Married at the Post Chapel, Ft Myer, Va, 22 June, Miss Ann Theone Lee, daughter of Mr & Mrs John Michael Lee, and Lt John Dermot Bruen, son of Dr & Mrs John Dewey Bruen of Chicago, Ill.

CARMACK-MARTINEZ—Married at the Sacred Heart Church, San Antonio, Tex, 2 June, Miss Betty Jean Martinez, daughter of Mr & Mrs Max Martinez of San Antonio, and Lt Joe Erwin Carmack, son of Col & Mrs Joseph Carmack, also of San Antonio.

COLAW-MARSHALL—Married at St Paul's Evangelical and Reformed Church, Belleville, Ill, 4 June, Miss Barbara Leah Marshall, daughter of Mr & Mrs Harry F Marshall of East St Louis, Ill, and Mr Larry Warren Colaw, son of Col & Mrs Owen L Colaw of Springfield, Va.

CRITES-BROWN—Married at the Sacred Heart Church, Honolulu, TH, 8 June, Miss Cynthia Ann Brown, daughter of Col & Mrs Harry E Brown of Ft DeRussy, TH, and Mr Howard Baird Crites, Jr, son of Mr & Mrs Crites of Honolulu.

ELLIOTT-RICHARDSON—Married at the Rayne Memorial Methodist Church, New Orleans, La, 1 June, Miss Carol Jean Richardson, daughter of Col (DC, USAF) & Mrs Frederick Henry Richardson of St Johns, Nfld, and Mr John Pascal Elliott, Jr, son of Mr & Mrs Elliott, sr, of Okolona, Miss.

FERGUSON-DRAKE—Married at Christ Episcopal Church, Coronado, Calif, recently, Miss Lois Ann Drake, daughter of Mrs Grant Hullinger Naus, and the late Cdr Carlington M Drake, USN, and Lt (jg) David Edward Ferguson, USN, son of Mrs Spencer A Macy of Coronado, and Cdr E F Ferguson, USN, of Seattle, Wash.

FREDERICK-MILES—Married at Heidelberg, Germany, 22 June, Miss Phyllis Elaine Miles, daughter of Col & Mrs Charles Harlow Miles, Jr, of Heidelberg, and Mr Dean Kimball Frederick, son of Mrs Charles Elder Frederick of Providence, RI, and the late Lt Colonel Frederick.

GILBERT-ZIMMERMAN—Married at the Point Loma Presbyterian Church, San Diego, Calif, 16 June, Miss Beverly Ann Zimmerman, daughter of Capt (USN-Ret) & Mrs Dillon Foster Zimmerman, and Mr Robert Harold Gilbert, son of Mrs Arthur C Gilbert of Benton Harbor, Mich.

HAWLOW-QUACKENBUSH—Married at the Post Chapel, Ft Myer, Va, 5 June, Miss Elizabeth Ann Quackenbush, daughter of Col & Mrs Robert E Quackenbush of Sioux Falls, Sdak, and Lt Giles Dexter Harlow, Jr, USAF, son of Mr & Mrs Harlow of Ferguson Falls, Minn.

HARRIS-BULLIS—Married at the Center Church, New Haven, Conn, 22 June, Miss Susan Bullis, daughter of Mr & Mrs Donald

Perkins Bullis of New Haven, and Mr. Franklin DeWitt Harris, son of Lt Col & Mrs Glenn John Harris of Alexandria, Va. **HARRISON-FOLKES**—Married at St. Thomas Aquinas Catholic Church, Reno, Nev., 12 June, Miss Margaret Lee Folkes, daughter of Col & Mrs John Griggs Folkes of Reno, and Mr Charles Evans Harrison, son of Mr & Mrs Weldon J. Harrison, also of Reno. **HOUSER-DORAN**—Married at the Main Post Chapel, Ft Riley, Kans., 18 June, Miss Suzanne A Doran, daughter of Col & Mrs Roy E Doran of Ft Riley, and Lt Houston Parks Houser, 3d, son of Colonel & Mrs Houser, jr, of Alexandria, Va.

HOWE-MANGRUM—Married at All Souls' Unitarian Church, Washington, DC, 21 June, Miss Edith Mangrum, daughter of Brig Gen (USMC) & Mrs Richard Charles Mangrum, and Ens Jonathan Trumbull Howe, USN, son of RADM (USN-Ret) & Mrs Hamilton Wilcox Howe of Winston-Salem, NC.

JASPERSON-HARJES—Married at the Church of the Holy Trinity, New York City, 17 June, Miss Joan Frederica Harjes, daughter of Mrs Blake Harjes of New York, and Mr H Herman Harjes, also of New York, and Ens Michael Jasperson, USN, son of Capt (USN-Ret) & Mrs Robert E Jasperson of Ferry Farms, Annapolis, Md.

MATTHIAS-BRADBURY—Married at the Fitzsimons A.H. Chapel, Denver, Colo., 8 June, Miss Mary Louise Bradbury, daughter of Lt Col & Mrs Frank A Bradbury, and 1st Lt Norman A Matthias, jr, son of Colonel & Mrs Matthias, sr.

MCENAMIN-KESTERSON—Married at the Del Ray Methodist Church, Washington, DC, 15 June, Miss Loretta May Kesterson, daughter of Mr & Mrs William F Kesterson, and Ens Lester Edgar McEnamin, jr, USN, son of Mr & Mrs McEnamin, sr.

MOSES-CROMWELL—Married at the Post Chapel, Ft Myer, Va., 22 June, Miss Sandra Jean Cromwell, daughter of Lt Col & Mrs Jack O Cromwell of Arlington, Va., and Lt Charles Custis Moses, son of Col & Mrs Merrill Moses, also of Arlington.

NACE-HARKNESS—Married at Christ Church, Port Republic, Md., 15 June, Miss Mary Jane Harkness, daughter of Mr & Mrs Harry Hughes Harkness of Mutual, Md., and Ens Richard Hanson Nace, USN, son of Mr & Mrs F Austin Nace of Baltimore, Md.

NURDING-GREENLEE—Married at the Stanford University Memorial Chapel, Palo Alto, Calif., recently, Miss Dorothy Jean Greenlee, daughter of Mrs Archibald Wilson Greenlee of Coronado, Calif., and the late Commander Greenlee, USN, and Mr Brian Frank Nurdling.

OWEN-WORDEN—Married at Christ Church, Dover, Del., 22 June, Miss Victoria Valden Worden, daughter of Mrs Stanley Worden of Dover, and the late Dr Worden, and Lt David E Owen, 3d, AUS, son of Mrs Wilfred Bradley Goulett of Palo Alto, Calif., and the late Col Ernest Tuttle Owen, USA.

RILEY-SWANN—Married at St Paul's Church, Stockbridge, Mass., 19 June, Miss Rosaly Swann, daughter of Mr & Mrs John Butler Swann, and Mr William Allen Riley, son of Col & Mrs James Wilson Riley of Greenwich, Conn.

SCHWICHTENBERG-MYERS—Married at the Danforth Chapel of Colorado State University, Ft Collins, 7 June, Miss Patricia Ann Myers, daughter of Lt Col & Mrs Robert M Myers of Duluth AB, Minn., and Mr Alan Edward Schwichtenberg, son of Brig Gen & Mrs Albert H Schwichtenberg of Colorado Springs, Colo.

SMITH-MOFFAT—Married at the US Naval Chapel, Washington, DC, 22 May, Miss Sheila Moffat, daughter of Mr & Mrs James Moffat of Newcastle-on-Tyne, England, and Ens Norman Marshall Smith of Kensington, Md.

THOMPSON-TWITTY—Married at Christ Episcopal Church, Covington, La., recently, Miss DeLesseille Wells Twitty, daughter of Brig Gen (USA-Ret) & Mrs Joseph Jones Twitty of Covington, and Lt Richard Paul Thompson, USA, son of Col (USA-Ret) & Mrs Percy Walter Thompson of Gainesville, Fla.

VON FRANKENBERG-MURPHEY—Married at the Walter Reed Memorial Chapel, Washington, DC, 22 June, Miss Elizabeth Bunn Murphey, daughter of Col & Mrs Henry Schmidt Murphey of Washington, and Mr Carl Alexander von Frankenberg, son of Mrs Curt Cochran von Frankenberg of Swarthmore, Pa., and the late Mr von Frankenberg.

Died

ALLEY—Died at Moscow, Idaho, 10 May, Lt Col Ralph M Alley, Ret.

BAMBERGER—Died at his home at USNH, St Albans, LI, NY, 15 June, Col Raymond S Bamberger, USA-Ret, 79.

BARCLAY—Died 20 June, Ens Burt H Barclay, USNR.

BERG—Died at Heidelberg, Germany, 10 June, Mrs Ruth F Berg, wife of Col Frederick T Berg. In addition to her husband, she is survived by one daughter, Patricia R Berg; one son, Roderick F Berg; her mother, Mrs Susan D Andersen; and her brother, Mr Carleton W Fletcher.

BRUBACH—Died at Ft Sam Houston, Tex., 4 June, 1st Lt William Brubach, Ret.

CLARK—Died at Memphis, Tenn., 1 May, Col Luther W Clark, Ret.

COURTAMANCHE—Died at Clearwater, Fla., 20 Mar, Maj Arthur B Courtamanche, Ret.

COWAN—Died at Walter Reed A.H. Washington, DC, 24 June, Col Arthur S. Cowan, USA-Ret, (USMA '99), veteran of the Spanish-American War and both World Wars. He is survived by his widow, Mrs Emille H Cowan of 3133 Connecticut Ave. NW, Washington; one son, Mr James H Cowan of St Davids, Pa.; and three grandchildren. Burial was at Arlington National Cemetery.

DUNHAM—Died at Memorial Hospital, Ft Pierce, Fla., 24 May, Burt F Dunham, WW I Artillery Captain, 62. He is survived by his widow, Mrs Sarah B Dunham of Box 7, RR 4, Ft Pierce; by two sons, Maj James W Dunham, USA, of Ft Leavenworth, Kans., and Capt Jack V Dunham, USA, of West Point, NY; and by five grandchildren.

EGAN—Died at Philadelphia, Pa., 29 Apr, Maj Marie A Egan, ANC-Ret.

GUENETTE—Died at Fitchburg, Mass., 29 Apr, 1st Lt Alexander E Guenette, Ret.

HALL—Died at Ft Smith, Ark 11 May, WOJG Merrill T Hall, Ret.

HOLMES—Died at Walter Reed A.H. Washington, DC, 22 June, 1st Lt Daniel M Holmes, Ret. Burial was at Arlington National Cemetery.

HUGHES—Died 20 June, Lt (jg) John G Hughes, 3d, USNR.

KAMPFILLER—Died 16 June, Lt Robert E Kampfiller, USN.

KETCHUM—Died at Newport, RI, 17 Apr, 2d Lt David J Ketchum, Ret.

KOTRICH—Died at his home at Arlington, Va., 18 June, Col Edward J Kotrich, JAG. He is survived by his widow, Mrs. Gwen Schulte Kotrich of 4942 No 33d Rd, Arlington; three sons, Edward J, jr, 15, Mark, 11, and Brian Kotrich, 7; two brothers and three sisters. Burial was at Arlington National Cemetery.

LAWYER—Died at St Albans, LI, NY, 5 June, Lt Col James E Lawyer, Ret.

LEONARD—Died at Brooke A.H. Ft Sam Houston, Tex., 10 June, Mrs Eleanor Loving Leonard, wife of Col Amel T Leonard, USA-Ret, of 436 Elmhurst Ave, San Antonio, Tex. In addition to her husband, she is survived by three sons, William Edward, Richard Anthony & John Randolph Leonard; three daughters, Miss Mary Catherine Leonard, Mrs. Robert T Harrington of Bogota, NJ, and Miss Eleanor Annlou Leonard; one granddaughter, Ann Starley Harrington; her mother, Mrs. Starley Loving, widow of Maj Royal S Loving, USA; and one sister, Mrs Louis H Foote, wife of Brig General Foote, USA, of Forest Grove, Ore. Burial was at the National Cemetery, Ft Sam Houston.

LIVINGSTONE—Died at his home at Washington, DC, 19 June, Lt Col Frederick A Livingstone, AUS-Ret. He is survived by his widow, Mrs Anne Isabel Livingstone of 1550 27th St. NE, Washington; and two sons, John A & Frederick H Livingstone. Interment was at Arlington National Cemetery.

LONG—Died at Oteen, NC, 9 May, Capt Thomas T Long, Ret.

LONGSTREET—Died at San Francisco, Calif., 26 Apr, Lt Col Maurice C Longstreet, Ret.

LUCAS—Died at White Plains, NY, 13 Apr, Col Herbert J. Lucas, Ret.

MARRIOTT—Died at his home at Honolulu, TH, 13 June, after a long illness, Col Carl L Marriott, USA-Ret, (USMA '16). He is survived by his widow, Mrs. Hazel S Marriott of 5205 Makalena St., Honolulu; three daughters, Mrs. Margaret M Birnie of her mother's address, Mrs. Natalie M Hahney, wife of Col E G Hahney of Ft Sill, Okla., and Miss Eloise Marriott of Topeka, Kans.; six grandchildren; and two sisters, Mrs. E G Holmes and Mrs. G G Tarr, living near Los Angeles, Calif.

MATISAK—Died in Iran, 16 June, Maj Paul F Matisak, CE.

MAURER—Died 20 June, Lt Nelson H Maurer, USNR.

McCABE—Died at Las Cruces, NMex, 7 June, Mr Arthur P McCabe, 38, Chief, Structures & Aerodynamics Branch, White Sands Proving Ground, NMex, son of Col (USA-Ret) & Mrs Frank T McCabe of Arlington, Va., & Scituate, Mass. In addition to his parents, he is survived by his widow & two children, Neal and Constance McCabe of Las Cruces; one sister, Mrs Theresa M Swope of Arlington; and two brothers, Col Robert E McCabe, now in Germany, & Cdr Frank M McCabe, USCG, OIC, Marine Inspection, Baltimore, Md. Burial was at the National Cemetery, El Paso, Tex.

McKINLEY—Died at Seoul, Korea, 19 June, Col William Dawes McKinley, USA, (USMA '37), 41. Commander of the 19th Infantry Regt. He is survived by his widow, Mrs. Anne McKinley, who lives at Vineyard Haven on Martha's Vineyard, Mass.; three daughters, Brandreth McKinley, 16, Courtney McKinley, 10, & Allison McKinley, 4; and his mother, Mrs. Margaret D McKinley of 2818 36th Pl, NW, Washington, DC, widow of Maj Gen James F McKinley.

MOGABGAB—Died at New Orleans, La., 18 Apr, Col Annes Mogabgab, Ret.

MUCHOW—Died 9 May, 1st Lt Arthur H Muchow, Ret.

MUELLER—Died at Ft Sam Houston, Tex., 30 May, Lt Col Clive P Mueller, USA-Ret.

NISSSEN—Died at Walter Reed A.H. Washington, DC, on 19 June, Col August Carl Nissen, USA-Ret. Burial was at Arlington National Cemetery.

NYBERG—Died 18 June, Lt (jg) Harry M, Nyberg, USNR.

OBERHAUSEN—Died at Toledo, O, 17 May, Lt Col Lawrence Oberhausen, Ret.

ORBIN—Died at Ft Sam Houston, Tex., 7 June, Capt Earl M Orbin, Arty.

ORDWAY—Died at Georgetown University Hospital, Washington, DC, 19 June, Mrs. Grace L Ordway, 92, mother of Col Frederick I Ordway, jr, USAF-Ret, of 3906 Morrison St, NW, Washington. In addition to her son, she is survived by another son, Mr Richard Ordway of New Orleans, La.; one daughter, Mrs C Cheney Austin of Manchester, NH; and five grandchildren & 13 great-grandchildren. Burial was at Laurel Hill Cemetery, Saco, Me.

PIETSCH—Died 19 June, Lt (jg) Richard T Pietsch, USNR.

PRENDERGAST—Died at San Francisco, Calif., 20 Apr, Lt Col William J Prendergast, Ret.

QUEEN—Died at Miles City, Mont., 29 Apr, Maj Henry W Queen, Ret.

REED—Died at San Francisco, Calif., 3 June, Lt Col George O Reed, Ret.

RILEY—Died at Charleston, SC, 19 June, Cdr Andrew J Riley, USNR, 56, veteran of WWII and Korea. He is survived by three sisters & five brothers. Burial was at Charleston.

RINER—Died at Savannah, Ga., 13 Mar, Lt Col Clinton R Riner, Ret.

ROWE—Died at Walter Reed A.H. Washington, DC, 16 June, Mrs. Florence L Rowe, wife of RADM Lionel L Rowe, USN-Ret, of 8001 Gulf Blvd, St Petersburg, Fla. Burial was at Arlington National Cemetery.

STORY—Died at St Joseph's Hospital, Burbank, Calif., 18 June, Maj Gen Walter P Story, 73, former Commander of the 40th Inf Div.

THAYER—Died at San Antonio, Tex., 16 June, Mrs Viola Starck Thayer, 87, widow of Col Arthur Thayer, USA-Ret, (USMA '86). Mother of six children, she is survived by four, who are Col Arthur P Thayer, USA-Ret, of 2860 So Buchanan St, Arlington 6, Va., Col Basil G Thayer, USA-Ret, West Hills Farms, Gates Mills, O, Mr Francis M Thayer of 180 Kings Rd, Madison, NJ, & Miss Cora Thayer, 122 W Poplar St, San Antonio; three grandchildren & three great-grandchildren. Burial was from the Catholic Chapel at the National Cemetery, West Point, NY, on 21 June.

VRIDEN—Died at Little Rock, Ark., 14 May, Col Harry L Vriden, Ret.

WRIGHT—Died at Bowling Green, Va., 19 June, Col Harold S Wright, USA-Ret, a QMC veteran of both World Wars. He is survived by his widow, Mrs Sophie Fenker Wright of 9229 Shore Rd, Brooklyn 9, NY. Burial was at Arlington National Cemetery, Washington, DC.

YOUNG—Died at USAH, Ft Belvoir, Va., 15 June, Lt Col Carl W Young, veteran of 37 years' service. He is survived by his widow, Mrs Mildred R Young of 14 Buckner Rd, Woodlawn Manor, Alexandria, Va., and one daughter, Mrs Jean Harvey, and two grandchildren.

Obituaries

Mrs. Elizabeth Mary Pugh

Final rites for Mrs. Elizabeth Mary Pugh, wife of Col. Irving E. Pugh, USA-Ret, of 25 Henderson Pl., Hamburg, N. Y., who died on 25 July 1956, were held at Arlington National Cemetery, Washington, D. C., on 25 June.

Born Elizabeth Mary Ellingham, at Elizabeth, N. J., Mrs. Pugh married Colonel Pugh in 1920, and accompanied her husband throughout his Army career to various posts and stations. She participated actively in Veterans of Foreign Wars affairs, and members of the District of Columbia Auxiliary of that organization held a graveside service for Mrs. Pugh. Only her immediate family, otherwise, attended the rites at Arlington.

In addition to her husband, she is survived by their son, Mr. Robert E. Pugh, who saw service as an instructor at the Air Corps Teletype School during WWII, and who, with his wife and small daughter, lives in Washington, D. C.; another son, Mr. I. E. Pugh, jr., of Prairie du Chien, Wisc., who served with the 6th Marine Division in WWII; one daughter, Mrs. Elizabeth E. Hagelberger of Hamburg; and one sister, Mrs. Carlton Connor of Eatontown, N. J.

Col. Carl L. Marriott, USA-Ret.

Col. Carl L. Marriott, USA-Ret, died at his home at Honolulu, T. H., on 13 June, having suffered for several years from a paralytic stroke and a heart condition.

A graduate of the U. S. Military Academy, Class of 1916, Colonel Marriott's long career in the Army included service in WWI in the Coast Artillery Corps, from which he later

transferred to the Chemical Warfare Corps. In WWII, Colonel Marriott was assigned to London as an observer and Military Attache, and later, was named Chemical Officer of the Sixth Army, under Gen. Walter Krueger. From this assignment, he was invalided home for retirement from active duty, and he had made his home in Hawaii for the past ten years.

He is survived by his widow, Mrs. Hazel S. Marriott of 5205 Makalena St., Honolulu; three daughters, Mrs. Margaret M. Birnie, who lives with her mother, Mrs. Natalie M. Hahney, wife of Col. E. G. Hahney of Ft. Sill, Okla., and Miss Eloise Marriott of Topeka, Kans.; six grandchildren; and two sisters, Mrs. E. G. Holmes and Mrs. G. G. Tarr, who live near Los Angeles, Calif.

Mr. Arthur P. McCabe

Burial services were held at the National Cemetery, El Paso, Tex., recently, for Mr. Arthur P. McCabe, Chief of the Structures and Aerodynamics Branch at White Sands Proving Ground, N. Mex., who died unexpectedly, on 7 June, at Las Cruces, N. Mex., at the age of 38.

Mr. McCabe, son of Col. (USA-Ret.) and Mrs. Frank T. McCabe of 1740 No. Rhodes St., Arlington, Va., and Scituate, Mass., was graduated from the Massachusetts Institute of Technology in 1939, where he later received his Master's degree in Aeronautical Engineering. During WWII, he saw service as a captain with the U. S. Army Air Corps in the Pacific Theater. From 1946 to 1951, Mr. McCabe held the position of Head Aerodynamics Engineer at a large aircraft corporation, where his primary mission was in the development of the NIKE, the first successful guided missile produced in the United States.

In addition to his parents, he is survived by his widow and two children, Neal and Constance McCabe, of Las Cruces; one sister, Mrs. Theresa M. Swope of Arlington; and two brothers, Col. Robert E. McCabe, now commanding an Armored Cavalry regiment in Germany, and Cdr. Frank M. McCabe, USCG, Officer in Charge of Marine Inspection, 209 Chamber of Commerce Bldg., Baltimore 2, Md.

Service Folk

Two Service wives, **MRS. NORMAN L. ENGARD**, wife of **MAJOR ENGARD**, PIO at the U. S. Army Military District of Georgia, Atlanta, and **MRS. PAUL NOLAN**, wife of **CAPTAIN NOLAN** of the Atlanta General Depot, compiled 197 points to capture the Druscilla McConnell Trophy in the Georgia State Bridge Tournament held recently in Atlanta.

The highest individual score for 1956-57 of the National Intercollegiate Rifle Championship has been won by **3d CLASSMAN CLYDE FREDERICK CARMICHAEL** of the U. S. Air Force Academy, son of C.W.O. and **MRS. C. T. CARMICHAEL** of Ft. Sill, Okla., who live at 1202 No. 31st St., Lawton, Okla.

MISS ANN MAGOFFIN, daughter of the Executive Officer at Mather AFB, Calif., **COL. and MRS. MORTON D. MAGOFFIN**, placed second in the recent contest for Queen of the Folsom, Calif. Pioneer Festival, when she represented Mather and was among six candidates for the crown. She served as first lady-in-waiting to the Queen.

MISS ANDREA JULIAN, daughter of **LT. COL. and MRS. LEONARD J. JULIAN** of the Frankford Arsenal, Philadelphia, Pa., was graduated from Lincoln High School last week, with a No. 1 standing, out of her class of 483. **BERKELEY R. LEWIS, JR.**, son of **COLONEL and MRS. LEWIS**, also of the Frankford Arsenal, stood third in the same class, while also graduating was **MISS YOUNG JA CHEY** of Korea, who makes her home with the Lewis family, while furthering her education in this country.

RADM. GEORGE W. CALVER, MC, USN-Ret., Attending Physician, Congress of the United States, is the President-Elect of the American College of Cardiology.

Reserve General Retires

Brig. Gen. George R. Schmucker, USAF, Artillery Commander of the 83d Infantry Division, Ohio, has retired after 38 years' service.

His civilian occupation is Chief, Education and Training Administrator, Vocational Rehabilitation and Education Division, Cleveland Regional Area, Veterans Administration.

INDUSTRY IN DEFENSE

"Qualified Products List Summary" Important To Suppliers, AMC Stresses

Manufacturers are being urged by the Air Materiel Command, Wright-Patterson AFB, Ohio, to become more familiar with the "Qualified Products List Summary." This is a summary of the "Provisions Governing Applications for Military Qualified Products List."

AMC officials explain that many Air Force contracts contain provisions limiting procurement to those items contained on the applicable Qualified Products List. This limitation excluded many manufacturers who have not previously had their product placed on the "QPL" from receiving consideration when procurement actions take place. In some instances it resulted in procurement from a sole source.

TO OVERCOME SUCH PROCUREMENT ACTIONS, AMC, in conjunction with the Air Research and Development Command's Wright Air Development Center, has undertaken a definite program pointing out to manufacturers the importance of having their product placed on the "QPL." One aspect of the program involves contacting all manufacturers on the appropriate source list, when a particular product is contemplated for procurement, and informing manufacturer that their products would be considered if it were placed on the applicable Qualified Products List.

A second aspect of the program is that AMC and WADC are attempting to ascertain more definitely that an item which is to be covered by the "QPL" procedure is planned for procurement. This is being accomplished to keep the "QPL" list at a workable minimum.

AMC and WADC officials feel that emphasizing the importance of the "QPL" List to manufacturers will result in broadening the procurement base and introduce a more competitive aspect into procurement actions. They also point out that pre-placement of an item on the "QPL" is advantageous to both manufacturers and the Air Force as it results in a saving of time, reduces cost of repetitive testing and additional performance data is acquired which may supplement current technical knowledge.

MANUFACTURERS WHO WISH TO APPLY for official qualifications should therefore acquaint themselves with the details as stated in the "QPL Summary." That summary includes a requirement that an applicant manufacturer certify, with his application, that he has determined from actual tests that the product he is submitting complies with the requirements of the applicable specification. These pre-certification tests by the manufacturer include his running the product through the qualification tests outlined in the specification.

The Air Force issues instructions as to the manner and place of official qualification testing, as well as other necessary details not included in the "QPL Summary."

Manufacturers, both at the prime contracting and sub-contracting levels, desiring to obtain specific details of the qualification tests and other information should request copies of specifications and the "QPL Summary" from the Commander, Air Materiel Command, Attention: Technical and Procurement Data Branch (MCSIFS), Wright Patterson Air Force Base, Ohio.

Builders Of Defense For All Services

GENERAL DYNAMICS CORP. at Grosse Pointe, Conn., will be the scene 1 July for commissioning of attack submarine Angamos, built for the Republic of Peru by the Electric Boat Division, which also built the sister sub, Iquique. Keels for the two Peruvian subs were laid side by side 27 Oct., 1955 and the boats were launched 15 minutes apart in a double launching on 5 Feb., 1957. The Angamos went to sea for the first time on 13 May and her trials were conducted by an Electric Boat operating crew. Sea trials of the Iquique will commence later this summer.

ROYAL MCBEE CORP. has named Merrill C. (Mike) Nolan, Director of National Defense activities of Royal McBee Corporation, a Vice President of the Company. Mr. Nolan, whose headquarters are in Washington, D. C., has headed the national defense activities of Royal McBee since the business machines company was formed through the merger of Royal Typewriter Company and The McBee Company in 1954. He was an Army officer in WWI.

SOLAR AIRCRAFT CO. of San Diego has received a \$1,384,000 supplementary contract for gas-turbine-powered airborne generator sets from the Air Materiel Command for the Boeing KC-97 tanker. Four major aircraft are now using Mars-powered airborne generators. In addition to the KC-97, they are the Douglas C-124C Globemaster, the Lockheed C-121C Super Constellation, and the Convair C-131B flying electronic test bed.

MARTIN CO. of Baltimore, Md. has delivered the 1000th Air Force Matador—the first operational ground-to-ground missile to reach this production figure. Mr. E. G. Uhl, Martin Vice President presented the delivery papers to Lt. Col. Allen Warfield, Jr., USAF, Air Force Plant Representative.

MINNEAPOLIS-HONEYWELL REGULATOR CO. has designated Stephen F. Keating, Vice President in charge the

Aeronautical Division, to direct all of Honeywell's activities in the Military field. Two major divisions of the 288-million-dollar automatic controls firm are engaged almost entirely in military activities—the Aeronautical Division, which is one of the nation's leading suppliers of precision control equipment for aircraft and missiles, and the Ordnance Division, which is a major producer of highly specialized control equipment for ordnance and missile use. Various other Honeywell divisions participate in some military business.

FIRESTONE TIRE & RUBBER CO. has presented the six millionth 155 mm artillery shell loaded at Ravenna Arsenal, Ohio, to the Army, the one millionth eight-inch shell was also presented. Brig. Gen. Joseph M. Colby, USA, CG, Ordnance Ammunition Command, received each of the shells from James E. Trainer, executive vice president of the Company.

With Brig. Gen. Colby and Mr. Trainer at the 21 June ceremony were: Col. Glenn E. Nida, Chief of Ammunition Branch, Industrial Division Office Chief of Ordnance; Lt. Col. Thomas M. Scott, Jr., Commanding Officer of the Arsenal; H. M. Krengel, Manager of Ravenna Arsenal, Inc.; and Dr. J. L. Miller, Director of Defense Activities for Firestone.

LENKURT ELECTRIC COMPANY of San Carlos, Calif., and the Army have signed an agreement for partnership in national defense training as the Company assumed sponsorship of a Signal Corps reserve unit at Mountain View, Calif.

CURTISS-WRIGHT CORPORATION has developed a "third hand" for pilots in the form of a Throttle Control which relieves them of continuous manual adjustments of critical engine speed during intricate maneuvers where precision control is required. The Propeller Division has successfully flight tested the device in a Navy helicopter at the Naval Air Test Center, Patuxent River, Md. The engine-mounted control at the pilot's

command, accurately governed engine speeds during starting, ground operation, and maneuvers in the air—including the difficult transition between hover and forward flight.

NORTH AMERICAN VAN LINES, INC. has extended its overseas household goods moving services to Italy for all branches of the military, according to an announcement today by James D. Edgett, President. Household goods for military families moving abroad to Italy will be handled through the ports of New York, Norfolk, and New Orleans, and Venice and Leghorn in Italy. Military shipments will be transported in conex boxes on military transport ships.

DOUGLAS AIRCRAFT COMPANY'S Tulsa, Okla., Division has received a contract for modification of more than 100 Air Force B-66 twin-jet bombers.

A light weight intercommunications system, utilizing transistors instead of vacuum tubes, has been developed by Douglas' El Segundo, Calif. Division. In operational use with the Navy's A3D Skywarrior and the AD-5Q Skyraider for the past year, the improved system has demonstrated excellent audio qualities and greater reliability.

RYAN AERONAUTICAL COMPANY has been given a \$15 million contract to supply new self-contained, lightweight electronic automatic navigators for use in Army aircraft. Ryan will make the first installations of its Model 120 navigator in an L-20 de Havilland Beaver liaison airplane and Sikorsky H-19 helicopters, to be followed by several other installations in both fixed wing and rotary wing aircraft. This is the second order for the Army for Ryan navigation systems. The company is producing other models of automatic navigators for the Navy as well as helicopter ground speed indicators for the Navy.

RADIO CORPORATION OF AMERICA has developed a high-intensity noise-system which makes possible quick, economical pre-flight laboratory tests of the survival capacity of electronic components and assemblies for jet aircraft and guided missiles. A. R. Hopkins, General Marketing Manager, RCA Commercial Electronic Products, said the noise-system is believed to be the first of its kind capable of providing complete, flexible fatigue tests of components over a wide frequency range. The noise-system simulates in-flight noises up to levels of 145 decibels and will enable design engineers to predetermine the structures and characteristics which must be designed into critical components to enable them to survive the acoustic vibration induced by super-sonic flight environment.

WASTE KING CORPORATION announces that heat exchangers which serve as vital components in the Atlas and Thor intercontinental missiles have



BRIG. GENERAL WILLIAM D. HAMLIN, USA, left, former Commanding General of the U. S. Army Signal Supply Agency, Philadelphia, congratulates Col. Elmer L. Littell, USA, who becomes the Agency's Commanding Officer. Colonel Littell was formerly Comptroller for the Chief Signal Officer, Washington, D. C. General Hamlin has been assigned to a U. S. Army position in Europe.



LT. GEN. S. R. MICKELSEN, USA, (right), commanding general of the Army Air Defense Command, presents the Army Commendation Ribbon with Metal Pendant to Maj. Delli W. Tomaw, USA, in a ceremony at ARADCOM Headquarters in Colorado Springs. Major Tomaw received the commendation for work as logistics officer of the command's 30th Antiaircraft Artillery Group at San Francisco. Because of his outstanding work Major Tomaw was requisitioned to serve as a logistics staff officer at ARADCOM Headquarters.

passed their initial Air Force qualification test. These heat exchangers—for oxygen, nitrogen or helium use—were developed to meet design specifications set by Rocketdyne, a division of North American Aviation, Inc., manufacturer of the liquid propellant rocket engines which power the two missiles.

THE KAMAN AIRCRAFT COMPANY, Bloomfield, Conn., has won the competition for a new Air Force local crash-rescue helicopter, which will also be used in fire fighting. The competition began in June 1956 with seven companies entered. Procurement will be initiated in the fiscal 1958 program.

HAMILTON WATCH CO. has formed a Military Products Division with C. F. Brown as manager. Formerly Chief of Hamilton's Ordnance Development Department, Mr. Brown served as mechanical engineer at the Naval Ordnance Laboratories in Silver Spring, Md., before joining Hamilton in 1953. The new division will coordinate the company's research and development work on safety and arming devices for guided missiles and rockets. Hamilton is currently working on the Nike, Sparrow, Sidewinder, Falcon and Bomarc in the guided missile field and on rockets such as the Gimlet, Zuni and Naka.

Lt. Col. Simcoe Plant Rep.

Lt. Col. Desider A. Simcoe, Jr., USAF, is the new USAF plant representative at Northrop Aircraft, Inc., Hawthorne, Calif. He succeeds Col. C. W. Tennant, USAF, reassigned to the Air Materiel Command's procurement headquarters, after serving at Northrop for four and one-half years.

Colonel Simcoe was assigned to Northrop after six years with the Industrial Resources Division, Directorate of Procurement and Production, AMC at Wright-Patterson AFB, Ohio, as Chief of the heavy press unit.

Gen. Guest Gets Depot

Brig. Gen. Wesley T. Guest, USA, Signal Officer, U. S. Army, Europe, has been given Command of Sacramento Signal Depot in California.

Originally assigned to the Office of the Chief Signal Officer in Washington, General Guest will now proceed to California from his current assignment in Europe. He will report to his new post in September.

Bigger and Better Than Ever

THE ARMY NAVY AIR FORCE JOURNAL today is bought by a bigger percentage of all military officers on active duty than ever before in its 94 years of successful publication.

Army Selects 1750 Majors For Temporary Lt. Colonel

From page 2—

DeMorse, A E, QM
DeRosa, Michael, OD
Desanto, A J, AT
DeDwyler, W H, Jr, AT
Deans, K V, AT
Decker, Arthur, IN
Deekle, W C, Jr, QM
Dehner, V E, CM
DeBene, F J, IN
Dei Mar, H R, TC
DeLeon, John E, IN
DeLinger, W F, IN
Denham, A G, AT
Denton, R B, AG
Denton, C T, EN
Dentremont, J E, OD
DesJarlais, R W, AT
Dez, Edward H, AT
Diblanco, P F, AT
Diamantes, T, AR
Dickerson, R C, IN
Dill, Francis W, OD
Dobier, George D, OD
Dobson, Joel G, AT
Dodson, A W, IN
Dollard, C M, AG
Dollard, E J, IN
Dominique, C J, SC
Donaldson, J W, IN
Donaldson, T Q, 4th, AR
Donnelly, P E, AT
Donovan, C W, IN
Dooley, E M, OD
Dornack, CH, AT
Dougherty, J D, AR
Dowell, R W, SC
Doyle, Lewis W, TC
Drake, William T, IN
Drennan, Guy, IN
Drinkard, H V, SC
Drucker, M S, JA
Ducey, Donald L, AT
Duckworth, B R, 2d, IN
Duffield, C W, IN
Duffy, David A, TC
Dumser, G T, OD
Dundas, Jack S, AR
Dunham, J W, AT
Dunn, W F, Jr, TC
Dunsmore, R E, TC
Dunson, Noble H, AG
Dupuis, Robert C, IN
Durham, J T, QM
Durham, M G, IN
Duty, Clifton O, CM
Duvall, Duncan E, IN
Dykes, Claude B, CM
Ebbitt, Joseph M, AS
Ebbs, Robert R, QM
Eccleston, T A, AT
Echols, J E, Jr, AT
Eckert, K R, AT
Edens, Elvert M, EN
Edwards, W L, Jr, TC
Edwards, C V, JA
Edwards, A C, IN
Ellis, Keith E, EN
Ellis, George A, AG
Ellis, C H, Jr, TC
Ellis, Gerald H, IN
Ellis, W H, TC
English, Frank C, SC
Ennis, Charles W, AT
Epperson, D E, EN
Erickson, J D, AT
Ervin, John W, AT
Evans, Edward S, IN
Evans, James G, IN
Evans, T H, Jr, AT
Evertson, T T, QM
Falkovich, M F, AR
Famshaw, L J, EN
Farley, Jack H, IN
Farley, Robert C, MP
Farnham, K B, IN
Farnum, L B, EN
Farquhar, W R, Jr, AT
Faubert, Earl B, EN
Faust, E L, Jr, EN
Fawcett, J R, Jr, AT
Fazio, Vincen, F, AT
Featherstone, F E, Jr, TC
Feild, Terry T, IN
Felca, Robert I, OD
Ferguson, J N, SC
Fergusson, C M, Jr, AR
Ferrell, R M, QM
Fess, Frederick B, IN
Fetter, Ivan R, SC
Fey, George D, EN
Field, Gerald F, IN
Finn, Clement E, QM
Finnegan, J B, EN
Finnegan, E B, AG
Finnegan, L J, MP
Finney, P A, SC
Fisher, Charles E, OD
Flisken, A D, Jr, AT
Flis, Robert E, AT
Fitzgerald, C G, SC
Fleiss, R E, AR
Fleischer, I S, AG
Flückinger, M W, AT
Flint, Robert P, TC
Floyd, A J, Jr, QM
Fogleman, Paul V, IN
Foley, John P, IN
Fontaine, R V, AG
Ford, Bobbie B, IN
Ford, Wilfred C, AR
Forrest, K B, SC
Forsyth, G E, QM
Foss, Russ C, SC
Fossum, A C, IN
Fowler, M R, IN
Fox, Clifton C, IN
Fox, Elmer M, IN
Fox, George F, IN
Fox, Robert L, AT
Franchina, C T, TC
Frank, Fred J, SC
Frank, E F H, EN
Fraser, Donald F, IN
Frazier, Gael M, IN
Frederick, Floyd, IN
Fredrikson, G F, IN
Freed, Cleo S, AR
Freeman, W E, AT
Freeman, M I, Jr, IN
Friedman, C E, IN
Friedrich, J H, AT
Fuller, Ted, IN
Fulmer, John M, AG
Fulton, W B, IN
Funke, N L, AT
Furey, Thomas P, IN
Galaway, J A, Jr, QM
Gale, James M, EN
Gallagher, T H, IN
Gallant, F X, AT
Galloway, R L, IN
Gane, John W, AG
Gardner, O K, SC
Gardner, Hugh H, IN
Garlock, John B, QM
Garner, John E, OD
Garrotto, J P, IN
Gates, Joseph, AT
Gaughan, W G, SC
Gaunt, John M, AG
Gebhart, J D, QM
Gehring, F R, IN
Gelger, E H, AT
George, C C, AT
George, T A, IN
Gerard, D P, AT
Ghent, Daniel T, JA
Gibney, R F, AR
Gibson, H B, Jr, OD
Gilbert, Ward T, OD
Gilmore, C H, OD
Gimpel, R W, TC
Ginrich, H W, IN
Giristants, W A, AG
Glick, John R, IN
Glickson, S F, SC
Glossop, Marvyn, IN
Godby, G D, MP
Goodman, J L, IN
Goodman, Paul, AT
Goodrich, G R, EN
Goodwin, J W, Jr, FI
Goodwin, G R, Jr, IN
Gooley, W D, SC
Gordon, H G, AT
Gordon, H L, EN
Gordon, James L, AT
Gordon, P O, IN
Gorman, E R, AG
Gorman, John W, OD
Grace, A B, Jr, EN
Grant, J H, Jr, AR
Grant, J M, AT
Gray, Jack K, AT
Green, Charles W, IN
Green, Edward C, AT
Green, George E, SC
Greene, Allyn W, SC
Greenleaf, D R, IN
Greiner, R J, TC
Grigsby, F M, QM
Grimsley, J A, Jr, IN
Grissom, T C, FI
Grogan, T W, TC
Grossman, H T, TC
Guinn, J P, AT
Guthrie, R E, AG
Hacker, Alex, EN
Hackwood, A W, IN
Hafeman, G B, IN
Hagens, David K, AT
Hagerman, E B, SC
Hakala, W E, TC
Hale, William C, EN
Hall, C A, Jr, SC
Hall, Harold M, AT
Hallowell, R R, IN
Halstead, L H, QM
Hambrick, W R, IN
Hamilton, G R, IN
Hamilton, R B, AT
Hamilton, S A, Jr, AT
Hammer, G B, IN
Hampton, W D, Jr, AT
Hampton, R H, AT
Hanifan, T J, AR
Hanna, L G, TC
Hansel, Jack H, AG
Hansell, H P, Jr, TC
Haphey, R D, IN
Harbaugh, C W, TC
Hardgrove, G W, IN
Hardman, P A, Jr, EN
Hargis, Lorne T, IN
Harling, E A, EN
Harms, Frank C, TC
Harper, R C, AR
Harrigan, W F, IN
Harris, C E, IN
Harris, Elva, AT
Harris, M D, AT
Harrison, E C, CM
Harsh, Frank W, OD
Hart, Edsel F, AT
Hartline, J D, SC
Harvey, Raymond, IN
Harvey, R W, AT
Haseltine, D J, AT
Hash, S G, EN
Hastie, W L, QM
Haughney, E W, JA
Havens, Floyd, AG
Hawkes, K O, OD
Hawkins, W B, OD
Hawthorne, F, AT
Hayward, H I, IN
Hazam, M J, IN
Hazard, Fred, SC
Hazelrigg, C B, IN
Healy, R D, AR
Heard, John C, Jr, AT
Heard, John W, AR
Heard, Don A, IN
Heath, F G, OD
Heaven, Paul J, AR
Hebert, R J, IN
Hedges, Ben W, MP
Heffelfinger, H B, IN
Helms, C L, QM
Hendee, Paul C, TC
Henderson, O K, IN
Henderson, T S, AT
Henderson, J J, IN
Henry, John F, AT
Hensley, E M, IN
Hensley, J M, IN
Hennper, H J, AT
Herald, V H, AG
Herald, James D, AR
Herman, W J, IN
Hermes, D F, AR
Herrera, R M, SC
Herres, F W, Jr, IN
Hertzog, Jack M, AG
Heske, Richard F, IN
Hibbard, W, Jr, TC
Hicks, Harold A, IN
Hicks, Sheldon, IN
Higgins, Hugh R, QM
Higgins, James L, AR
Higley, Robert P, TC
Hill, Benjamin I, OD
Hill, Charles R, AT
Hill, David A, Jr, AT
Hill, John G, Jr, IN
Hill, Lucius G, Jr, AT
Himic, Steve P, IN
Hines, Percy A, IN
Hinton, R J, IN
Hitch, Kenneth S, AG
Hodge, James R, TC
Hodges, Donald R, SC
Hohman, John L, QM
Holden, F I, SC
Holland, Clyde L, AT
Holland, Earl H, SC
Holland, Robert E, IN
Hollingsworth, A S, IN
Holmes, C W, OD
Homeman, D E, AR
Hooper, W T, Jr, IN
Hoplin, H P, OD
Horlock, Fred H, IN
Horne, Richard C, SC
Horner, J E W, SC
Horner, Norman S, IN
Horner, Reuben L, IN
Horton, Paul N, IN
Hotaling, R P, MP
Hotchkiss, D C, TC
Howell, John S, EN
Howell, S W, Jr, IN
Huckabay, Z T, QM
Hudock, S A, QM
Hudson, D W, JA
Hudson, T K, QM
Huff, Clarence W, SC
Huff, Leo E, IN
Hughes, Algin J, AT
Hughes, C V, SC
Hughes, J A, Jr, EN
Hughes, J P M, IN
Hummert, L C, MP
Hunnicut, J O, Jr, FI
Hunt, Paul E, AT
Hunt, Ralph W, EN
Hunter, W L, IN
Huntley, Duane L, IN
Huntley, F B, QM
Hurley, J E, Jr, AT
Hurst, R R, AT
Hutchins, W J, EN
Hutchinson, R F, OD
Hyde, John F, MP
Hyle, Archie R, IN
Hyman, A S, IN
Imman, Lloyd J, IN
Ireland, T E, MP
Isaacs, Thomas R, CM
Ish, George D, MP
Ivan, Gabriel A, IN
Jacks, Herman R, SC
Jackson, R J, AR
Jackson, K E, TC
Jackson, Harry R, AT
Jackson, C A, IN
Jackson, C F, AT
Jacobson, J W, 2d, AT
Jogoe, Charles W, IN
Janousek, Neal F, AT
Jarrett, John A, AT
Jaubert, G W, IN
Jaugstetter, J P, IN
Jean, William W, AR
Jeffers, H A, Jr, IN
Jeffries, John H, AT
Jenkins, Joseph E, IN
Jenkins, James J, JA
Jensen, Roland H, AT
Jessup, M E, AT
Johnson, John F, OD
Johnson, W R, TC
Johnson, K R, OD
Johnson, F E, QM
Johnson, B E, Jr, TC
Johnson, J M, QM
Johnson, A D, TC
Johnson, R D, QM
Johnson, Joe P, QM
Johnson, Ogden, AT
Johnston, W F, IN
Johnston, W R, TC
Johs, Albert G, AG
Jones, A W, Jr, IN
Jones, C M, Jr, AR
Jones, Kenneth M, TC
Jones, Lee G, OD
Jones, Lloyd E, Jr, AT
Jones, Robert D, AG
Jones, Wyly K, IN
Jordan, Edward E, IN
Josephson, S W, OD
Joyner, A B, Jr, TC
Jump, George V, AT
Kaplan, George G, OD
Kauffman, E H, IN
Keating, W J, QM
Keebaugh, D R, SC
Keeler, Donald L, IN
Keenum, John C, SC
Keester, John F, AT
Keith, Lewis W, EN
Kelchak, Paul J, EN
Kelley, George W, QM
Kelley, Peter L, IN
Kellogg, D A, EN
Kelly, Joseph M, JA
Kelly, John P, IN
Kelly, Randall, IN
Kendall, M W, IN
Kendall, L F, Jr, EN
Kennedy, C W, QM
Kennedy, R T, FI
Kennedy, R A, AR
Kennedy, W M, AT
Kerr, S R, Jr, AT
Ketcham, D T, AT
Kettelhut, M C, AR
Kidd, Charles H, IN
Kilmer, W C, TC
Klim, Young O, IN
Kimball, R V, MP
Kimball, M W, QM
Kinn, R M, Jr, IN
King, William J, IN
Kingsley, John G, AR
Kinkead, W W, TC
Kinnead, Leo D, AT
Kinnes, Ralph, IN
Kirby, Eugene B, QM
Kirk, Joseph L, SC
Kissam, R V, Jr, AT
Klitz, Robert J, IN
Klein, Elvin W, SC
Kline, William P, QM
Klinker, D E, OD
Kloster, I J, Jr, AT
Knapp, K J, Jr, AT
Knighton, H A, AT
Knoeller, F O, IN
Knudson, S A, AR
Kobs, Charles J, IN
Koenig, W A, Jr, SC
Kopelke, Keith E, AT
Koshoff, J T, AT
Kovar, Paul J, JA
Kraetzer, K G, AT
Kramer, W W, JA
Kratz, William G, EN
Kroesen, F J, Jr, IN
Kukla, Edwin A, SC
Kurdjian, G A, SC
Kuykendall, J W, TC
LaChaussee, C E, IN
LaCroix, D P, QM
Labrucherie, F R, AT
Ladner, E, IN
Lally, John M, MP
Lally, Richard M, IN
Lambert, R O, IN
Lampos, N T, SC
Lance, John E, Jr, IN
Landsman, Sol, QM
Lane, Albert G, FI
Lanen, William J, AT
Lange, L W, IN
Langley, C F, TC
Lapotka, John, IN
Larkin, James J, AT
Lasley, Donald G, IN
Lassila, Eino E, IN
Lauer, Joseph G, QM
Law, William T, AT
Lawson, John L, TC
Lawton, Robert C, AG
LeMere, F F, AT
Leavitt, Charles S, TC
Lee, Cornelius G, IN
Lee, Harry S, SC
Lee, Robert E, SC
Lee, William J, AT
Lehman, E E, SC
Lehmann, T J, AG
Lester, A F, Jr, IN
Leonard, R L, SC
Leslie, E E, Jr, AT
Levasseur, A R, IN
Levie, James K, Jr, SC
Levin, Stanley F, JA
Levin, William B, QM
Levy, Charles W, JA
Lewelling, B R, AT
Lewis, Keith L, OD
Lewis, Martin E, EN
Leyden, W G, Jr, IN
Linder, Roy L, QM
Lindsey, M L, TC
Linstad, H O, OD
Lipp, Leonard C, QM
Loch, Elmer V, IN
Lombard, J A, QM
Long, Louis E, AR
Long, W F, Jr, IN
Longfellow, L R, AT
Longo, John M, QM
Lorck, Horace C, AT
Love, Jerry I, AT
Lovell, H R, QM
Lucas, John G, AT
Lukas, Frank W, IN
Lumia, S A, AT
Lumpkin, C C, Jr, IN
Lundelius, M W, IN
Lundquist, H T, IN
Lutz, Edwin M, IN
Lyden, Joseph J, QM
Lydon, Joseph P, IN
Lynch, Myrl C, AR
MacArthur, J E, MP
MacFarvey, P D, AR
MacPherson, R H, FI
MacQueen, L P, AT
Macbride, B E, JA
MacLaren, H E, IN
Mace, John S, IN
Maddock, T R, EN
Mahaley, W C, EN
Mahan, T J, EN
Maher, T L, QM
Maier, John E, QM
Majeske, Arthur, AT
Mallory, B J, AT
Malloy, J T E, QM
Malone, Donald J, TC
Maness, Harold M, IN
Manifold, K M, IN
Manley, F J, AT
Marberry, Joe D, SC
Marconi, S R, AT
Marcom, W H, IN
Marks, Guy M, QM
Marks, Joseph W, IN
Marshall, G W, QM
Marshall, J E, Jr, AT
Marshall, R B, IN
Martaus, J A, AT
Martin, L D K, CM
Martin, L D, EN
Martin, R W, IN
Martin, Vernon, SC
Martyniak, W, TC
Mastellar, B G, AT
Mathews, L G, IN
Mathews, R A, IN
Mattice, E R, IN
Mattocks, H F, AT

Action At The Capitol On Military Bills

Sent To White House

DOCTOR DRAFT—HR 6548, provides special induction authority for physicians and dentists.

CAPTAIN DUBORG—HR 7505, permits Capt. Christian H. Duborg, USN, to remain in a command status at Port Ly-autey, Morocco after his retirement on 30 June 1957.

Introduced In The House

RETIRED SURVIVOR BENEFITS—HR 8061, Rep. Cole (R-NY), provides that all retired members of the Armed Forces who served not less than 35 years on active duty and who thereafter die shall be considered to have died service-connected deaths for purposes of the Survivor Benefits Act.

NAVY HUMP LEGISLATION—HR 6068, Rep. Kilday (D-Tex), provides improved opportunity for promotion for certain Naval officers.

MOTOR VEHICLE TRANSPORT—HR 8109, Rep. Hiestand (R-Calif), provides that military members and civilian employees of the Armed Forces must pay the cost of shipping their personal motor vehicles to overseas posts.

WAAC SERVICE—HR 8115, Rep. St. George (R-NY), defines service as a member of the Women's Army Auxiliary Corps as active service under certain conditions.

DEPUTY NAVY JAG—HR 8121, Rep. Vinson (D-Ga), establishes the Office of the Deputy JAG of the Navy.

ENLISTMENT OF ALIENS—HR 8122, Rep. Vinson (D-Ga), extends the authority for the enlistment of aliens in the Regular Army.

EXEMPT RETIRED OFFICERS—HR 8302, Rep. Williams (R-NY), exempts retired officers who have been retired for 10 years or more from operation of section 281, Title 18, US Code.

PAY RAISE—HR 8305, Rep. Anderson (D-Mont), changes the method of computing basic pay for members of the Armed Forces and provides term retention contracts for Reserve officers.

Introduced In The Senate

MANAGEMENT IMPROVEMENT—S. 2294, Sen. Smith (R-NJ), implements Hoover Commission recommendations to improve management and technical personnel in the support activities of the Department of Defense.

WAAC SERVICE—S. 2305, Sen. Young (R-ND), defines service as a member of the Women's Army Auxiliary Corps as active service under certain conditions.

GENERAL WILSON—S. 2313, Sen. Schoepel (R-Kans), provides for advancement of Brig. Gen. Thomas B. Wilson, AUS-Ret., to the grade of major general on the retired list.

Maughn, W. Jr, FI
May, Herman J, IN
May, Ray B, IN
Maynard, Jack B, AG
Maynard, A A, EN
Mazucheli, R A, AT
McAuliffe, D P, AT
McBride, George, AT
McBride, A C, SC
McCabe, A E, AT
McCabe, E F, EN
McCall, Frank, IN
McCall, G C, AT
McCallum, H D, AT
McCarthy, J P, QM
McCarthy, M R, AT
McCartney, D A, AT
McCartney, L QM
McCaughey, M J, IN
McClure, P J, Jr, AR
McClure, C C, AT
McCold, C B, IN
McCollum, W, Jr, EN
McCoy, John P, AT
McCollum, M E, IN
McCoy, R L, AR
McConville, R W, SC
McDonald, T J, OD
McDonough, R A, OD
McElwee, D W, SC
McEntee, J J, OD
McFarlane, F S, OD
McGarry, W F, JA
McGinnis, E J, OD
McGinnis, N D, AT
McGuire, H C, OD
McGuire, P M, IN
McHenry, M C, IN
McKell, J S, MP
McKenna, J J, SC
McLaughlin, J E, QM
McLeod, W E, AT
McManus, O O, AG
McManus, P J, Jr, SC
McManus, V J, AT
McMillan, J C, QM
McMurtrey, G B, AG
McNamara, H, Jr, AR
McNaught, D R, IN
McNickle, A J, QM
McNitt, R N, SC
Meara, W A, AR
Mehl, Louis S, AR
Mehlinger, W E, OD
Meis, Emil F, Jr, AT
Melton, E I, SC
Melton, R B, Jr, TC
Mercer, Tim, EN
Mervis, W J, QM
Messall, C M, EN
Messner, S A, TC
Metzler, H C, OD
Mewshaw, C T, EN
Meyer, L D, AG
Michie, John, Jr, IN
Miles, R C, OD
Milhiser, J E, AG
Miller, D E, IN
Miller, R W, AT
Miller, Ralph L, AT
Millican, L M, Jr, IN
Minor, E M, OD
Minton, William, SC
Mintz, George, EN
Miss, David C, AT
Mitchell, J W, Jr, IN
Mitchell, C F, AT
Mizell, A M, AT
Mock, Alfred J, AT
Modine, Carl F, AG
Monty, Percy A, IN
Moore, C H, Jr, IN
Moore, G H, IN
Moore, H G, Jr, IN
Moore, Robert K, TC
Moore, Robert F, AR
Moore, Robert D, AR
Moran, David J, AR
Moran, J T, Jr, QM
Moran, John, CM
Moran, T A, AT
Morehouse, R C, AT
Morey, James F, OD
Morgan, W H, EN
Morris, James E, SC
Morris, James W, IN
Morrison, L E, IN
Morse, H W, IN
Moseley, W T, CM
Moses, B A, QM
Mueller, R M, IN
Mulhearn, R J, AG
Mulhearn, W, Jr, OD
Mulkey, S W, Jr, IN
Mullen, James J, IN
Muller, Mark T, SC
Mumme, F H, Jr, IN
Mundhenk, W H, TC
Murphy, K A, IN
Murphy, W C, AT
Murray, C P, Jr, IN
Murray, J H, Jr, SC
Murray, L E, Jr, IN
Murray, N A, QM
Murrell, H J, CM
Musser, R H, IN
Myers, Gene, AG
Myers, Robert E, IN
Myers, W H, OD
Mynsberge, M, AG
Nance, H M, IN
Napier, A J, AT
Napolitano, A J, AG
Nash, G E, Jr, AT
Neal, W A, Jr, AT
Nealon, A J, IN
Neckey, Walter F, IN
Nelson, Carlton, IN
Nelson, K M, AT
Nemeth, S A, AT
Nerdahl, Carl B, IN
Neumann, J D, IN
Newberry, R H, IN
Newby, G U, CM
Newell, J C, AT
Newlands, G, TC
Nicollos, F A, Jr, MP
Nichols, G W, IN
Nickell, John S, AR
Nielsen, E L, SC
Nolan, Patrick T, SC
Norrie, G, Jr, IN
Norwood, R M, IN
Nottingham, A H, AT
Nowell, T E, Jr, MP
Null, Jack G, IN
Nusbaum, C S, TC
Nye, C A, 3d, JA
Nysten, Paul I, AR
Obratovich, J, QM
O'Brien, L C, AG
O'Callaghan, R J, EN
Ochs, W V, Jr, IN
O'Connor, P E, AG
O'Connor, J F, AT
O'Connor, T J, TC
O'Donnell, C F, Jr, AT
O'Donnell, E T, EN
O'Donohue, T J, TC
Offie, Samuel J, TC
Offner, W H, AT
Ogden, Clair F, OD
O'Hara, C R, IN
O'Haran, Paul F, TC
O'Keefe, John E, IN
O'Leary, J E, IN
Olenchuk, P G, CM
Oliver, G S, IN
Olk, H J, Jr, JA
Olson, R M, QM
Olson, A A, AR
O'Malley, W P, IN
O'Neal, B F, Jr, CM
O'Neill, G M, IN
Ori, George, IN
Orlando, Thomas, IN
O'Rourke, D C, IN
Orr, Frederick L, FI
Orr, L E, Jr, AT
Orr, Uriah N, EN
Orsi, Francis J, TC
Orsini, Eric A, OD
Orsini, Paul, AG
Osborne, O S, IN
Ottis, Allen M, AT
Ott, Arthur A, AT
Ott, David E, AT
Ottavio, R F, JA
Ottinger, L T, SC
Overmyer, C E, QM
Owen, Edwin B, TC
Packett, W L, FI
Padgett, W H, Jr, EN
Pahl, Irving C, IN
Pardue, W D, AT
Parker, John M, IN
Parker, R D, IN
Parker, W R, IN
Parsons, Don R, QM
Peak, W O, Jr, IN
Pearce, Jack R, FI
Pearcey, H W, IN
Peoples, R C, Jr, IN
Peinam, C C, CM
Pell, Mark G, IN
Pelish, Alex, AT
Pennington, W Y, AT
Penrod, H L, QM
Penrose, C E, IN
Peoples, R H, IN
Perkins, Del S, IN
Perkins, Robert, FI
Perna, L P, AG
Perrigo, Jack G, FI
Perry, Arvel H, AT
Perry, James F, IN
Persons, D B, SC
Peterson, E I, IN
Pettit, W D, AR
Peyer, G A, Jr, TC
Pezdirtz, J W, AH
Phillip, G R, Jr, AR
Phillips, J W, AT
Phillips, J U, EN
Physloc, J J, EN
Picciotti, R A, SC
Picciotti, A A, AT
Pickel, W F, IN
Pickup, Michael, SC
Pierce, J R, Jr, OD
Piersall, S L, MP
Pierston, R H, QM
Piltzin, Louis, AT
Pinnell, S W, EN
Piper, J G, IN
Pitkethly, D A, AR
Pittman, J C, Jr, IN
Pittman, L E, EN
Pitts, Roy B, SC
Pizer, Vernon, IN
Plante, H J, QM
Platson, K F, MP

—Continued on next page

Army Selects 1750

From preceding page—

Platz, James L, TC
Pollin, Jack M, AT
Pcovich, F J, SC
Porcella, A D, JA
Porter, A T, AT
Porter, R E, Jr, AT
Post, George R, AT
Potter, R K, Jr, IN
Potvin, R L, OD
Powell, G E, IN
Power, Ernest F, SC
Powers, E N, AT
Powers, R M, AT
Praeger, H A, Jr, IN
Prather, C E, IN
Prather, Herb D, IN
Proctor, F B, EN
Pruett, G J, AT
Prugh, G S, Jr, JA
Pye, William S, IN
Raaen, J C, Jr, OD
Rackham, K M, OD
Racy, F D, SC
Radow, S E, IN
Rasmussen, J G, TC
Rattan, D V, IN
Raub, Stanley C, AT
Rawlings, M G, AT
Rawlings, R J, Jr, AT
Rea, G S, Jr, IN
Read, H E, EN
Rea, Stewart A, AT
Ream, Ellis A, AT
Reardon, B A, IN
Reaves, J R, IN
Reddick, C R, OD
Reece, H P, AG
Reed, John P, AR
Reed, G R, Jr, AR
Reed, James F, EN
Reid, William T, SC
Reidenbaugh, C H, IN
Reifenrath, H G, AG
Reilly, F W, TC
Reilly, J M, SC
Renegar, G E, AT
Renier, Remi O, EN
Resterer, R T, IN
Reyes, Louis F, OD
Reynolds, Hugh, SC
Reynolds, J L, Jr, AT
Rhodey, W A, IN
Ricci, Alfred P, IN
Richardson, H F, AT
Rickman, C A, AR
Ride, W T, Jr, AT
Rideout, M C, Jr, JA
Riggins, Jack F, IN
Riles, W L, IN
Rimlinger, J L, IN
Ringler, John M, IN
Ringsrud, R H, IN
Riordan, Don F, OD
Rios, Edwin T, IN
Rist, Austin S, AT
Roach, H K, IN
Robbins, H W, IN
Roberts, G A, QM
Robinson, J L, AT
Robinson, R L, AR
Robinson, R A, Jr, OD
Robson, A S, QM
Rogers, E C, AT
Rogers, J R, CM
Rogers, Roy E, SC

Roggenkamp, J M, IN
Rolak, Bruno J, MP
Roife, R L, IN
Rork, Philip J, QM
Rose, Charles E, TC
Rose, Charles L, JA
Rosoff, Martin, IN
Ross, Homer G, IN
Ross, J T, Jr, AT
Ross, Raymond H, IN
Rosten, Herbert, JA
Rothbard, L, QM
Rounsaville, T J, IN
Roush, C T, sr, IN
Rowan, J V, Jr, IN
Rowe, G W, AT
Rubinowitz, S H, JA
Rudziak, N D, MP
Ruhsam, H E, AT
Rup, Chester S, AG
Rupp, Herman B, AT
Russell, G C, Jr, QM
Russell, John W, AR
Rutledge, A F, IN
Rutledge, J M, AT
Ryan, Charles J, IN
Ryan, John J, JA
Ryan, Philip W, AT
Saddler, G W, IN
Salmon, H S, Jr, AT
Salsbury, H J, Jr, JA
Salyer, E G, TC
Samples, Jack L, SC
Sampson, F A, AT
Samuison, L F, EN
Sanders, J L, OD
Sanders, P F, SC
Sandlin, W B, Jr, IN
Sando, R W, IN
Sapp, B B, AT
Sauter, Otto J, AG
Sawyer, G C, IN
Schecher, F J, SC
Scheffner, W H, IN
Scheffel, L A, TC
Schell, William, QM
Schick, C W, QM
Schmidt, W K, AT
Scholz, H A, AG
Schott, J L, Jr, QM
Schraeder, G A, EN
Schryer, L M, OD
Simmons, H N, MP
Simmons, W C, AG
Simmons, E W, Jr, QM
Simon, C G, Jr, IN
Simon, Donald E, AT
Simpson, Ray M, IN
Skaggs, J E, TC
Skeiber, S C, OD
Skelly, J L, AT
Skilling, R C, OD
Slate, Francis T, IN
Slepan, Robert, IN
Slinzak, J E, SC
Slone, W R, AT
Slye, E R, Jr, FI
Small, E J, AT
Smees, F W, EN
Smith, D D, IN
Smith, E W, IN
Smith, F B, TC
Smith, F A, Jr, IN
Smith, Jack E, IN
Smith, James H, IN
Smith, James F, AR
Smith, J M, Jr, IN
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Smith, Orvil T, IN
Smith, Rex A, MP
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Smith, W H, QM
Smith, Wayne B, AT
Smith, William E, IN
Smothers, W, QM
Snead, G M, Jr, SC
Snow, B C, Jr, EN
Snyder, Jack A, IN
Solier, E M, AT
Solinski, N T, SC
Sollosi, John S, IN

Shrawder, W J, AT
Shultz, J J, Jr, AT
Shuplenis, J B, AG
Slevers, E L, IN
Sigwell, R E, IN
Sikorski, W, AT
Simmet, K D, IN
Simmons, H N, MP
Simmons, W C, AG
Simmons, E W, Jr, QM
Simon, C G, Jr, IN
Simon, Donald E, AT
Simpson, Ray M, IN
Skaggs, J E, TC
Skeiber, S C, OD
Skelly, J L, AT
Skilling, R C, OD
Slate, Francis T, IN
Slepan, Robert, IN
Slinzak, J E, SC
Slone, W R, AT
Slye, E R, Jr, FI
Small, E J, AT
Smees, F W, EN
Smith, D D, IN
Smith, E W, IN
Smith, F B, TC
Smith, F A, Jr, IN
Smith, Jack E, IN
Smith, James H, IN
Smith, James F, AR
Smith, J M, Jr, IN
Smith, K T, QM
Smith, Orvil T, IN
Smith, Rex A, MP
Smith, Roy E, AT
Smith, Samuel C, IN
Smith, W H, QM
Smith, Wayne B, AT
Smith, William E, IN
Smothers, W, QM
Snead, G M, Jr, SC
Snow, B C, Jr, EN
Snyder, Jack A, IN
Solier, E M, AT
Solinski, N T, SC
Sollosi, John S, IN

Sorensen, H L, IN
Sowell, R A, OD
Spade, John S, OD
Spaulding, R J, IN
Speer, R D, SC
Speirs, Ronald C, IN
Spence, John F, IN
Sperring, G R, OD
Spicer, H D, AG
Spiece, D C, AT
Spiegel, David, JA
Spiller, G M, AT
Sponeburgh, J, IN
Sprigg, W H, AT
Spurlock, R O, CE
St John, A, 2d, AR
Staggs, D E, IN
Standish, F D, 2d, IN
Standish, M E, SC
Stanley, F A, EN
Stanley, L S, IN
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Stephenson, S W, Jr, EN
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Stevens, W D, Jr, IN
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Stewart, L F, AT
Stewart, C C, AT
Stewart, E J, IN
Stieff, Ray A, IN
Stier, Robert J, AG
Stigers, J W, AT
Stires, F H, SC
Stockton, J P, IN
Stoeckert, G J, IN
Stoeckley, C F, IN
Stone, Henry C, TC
Storie, James C, SC
Stoutner, E A, IN
Stowell, W M, OD
Strang, Joseph W, EN
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Stull, Robert K, IN
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Swenson, J D, QM
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Symms, Robert V, EN
Taber, Eugene D, FI
Taibbi, R V, IN
Tallerday, Jack, IN
Tansley, M S, AG
Taplin, Sabin C, MP
Tasker, C B, JA
Tatsch, William D, FI
Tayloe, H G, Jr, AT
Taylor, Elwood, AT
Taylor, Lee E, IN
Taylor, William D, IN
Templeton, R M, EN
Tennison, W W, TC
Therrell, John W, SC
Thomas, D R, IN
Thomas, Dallas D, AR
Thomas, Fred E, IN
Thomas, Jesse R, IN
Thomas, L C, EN
Thomas, Robert O, IN
Thomas, R P, OD
Thomas, T E, Jr, AT
Thompson, C W, AT
Thompson, H M, IN
Thompson, P G, Jr, AT
Thompson, W A, AT
Thomson, D B, TC
Thorne, John H, AT
Thornton, W G, OD
Tienken, W, 2d, TC
Tillinghast, L G, Jr, OD
Tilson, F B, AT
Tinari, Emanuel J, IN
Tinnin, Jack J, Jr, AT
Tippit, M L, OD
Toll, Robert M, AR
Tolley, Jack W, TC
Toomer, H K, TC
Topp, A A, Jr, AT
Torrence, B J, QM
Touart, A J, Jr, IN
Tourville, C W, EN
Townsend, J M, IN
Townsend, L B, Jr, AT
Townshend, C S, Jr, EN
Towson, W J, IN
Trammell, H A, IN
Travis, Arthur L, AT
Trubey, R C, AT
Tsubota, Shigeru, IN
Tucker, J M, sr, EN
Turk, Stanley J, AT
Turrou, E A, AG
Tuttle, G A, OD
Tyler, H W, Jr, TC
Tyndall, J C, FI
Uhler, F C, FI
Ulsaker, Carl C, IN
Underwood, V W, IN
Urbach, Rudolf, AG
Usher, Thomas J, TC
VanEmst, J H, QM
VanLaethem, G, SC
Vanderhoef, F C, IN
Vann, William F, MP
Vassett, F J, QM
Vaughn, Willis C, OD
Veatch, F R, Jr, IN
Verga, S J, AT
Vernarelli, A F, IN
Vias, Felipe, IN
Vickers, M W, IN
Vignes, Joseph L, IN
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Walker, Paul R, AT
Walker, James R, IN
Walker, D E, IN
Walker, Fred M, EN
Walker, James L, IN
Walker, J R, Jr, TC
Walker, W J, AT
Walker, S L, AT
Wall, George R, TC
Wallace, Jerry G, AR
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Walton, Frank J, IN
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Ward, Robert J, QM
Wardle, D L, QM
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Warren, W C, IN
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Welch, Roger M, QM
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Wheat, Robert L, SC
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White, Harry C, EN
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Wilke, Robert G, AT
Wilkinson, T E, IN
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Williamson, J B, SC
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Williams, R H, IN
Williams, T C, Jr, IN
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Wilson, B T, sr, IN
Wilson, Gerald R, IN
Wilson, Kermit J, CM
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Wilson, Victor O, EN
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Windmoeller, H F, OD
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Wisoleg, C R, IN
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Woods, Patrick, IN
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Wright, Borden T, IN
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Young, Ronald L, IN
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Rothe, W E, VC
Schneider, W J, VC
Schneider, M D, VC
Spanier, S E, VC
Sprinkle, D G, VC
Thomas, Roy C, VC
Tomayko, Val A, VC
Wittrock, J E, VC

CHAPLAINS

Bell, Richard R, CH
Dean, Gerald C, CH
Drake, Dayton D, CH
Durand, Henry L, CH
Durden, Lewis M, CH
Eastman, Eric I, CH
Ferguson, N E, CH
Fisher, Charles, CH
Hand, Harry C, CH
Hardin, H M, CH
Heflin, Rankin W, CH
Helm, Donald W, CH
Herdson, R B, CH
Hope, Holland, CH
Kasel, Joseph T, CH
Kirkpatrick, J E, CH
Lehne, C A, CH
Leverenz, E W, CH
Lipsey, R C, CH
Ludden, Paul W, CH
McAlarney, B E, CH
Naylor, Duncan N, CH
Nichols, F G, CH
Pawlowicz, T C, CH
Rees, Gomer S, CH
Rettaglata, J B, CH
Robie, Everett M, CH
Ttaggart, W C, Jr, CH
Temple, E L, CH
Wersing, R F, CH
Youngs, John B, CH
Zunwalt, R H, CH

WAC

Elderice, E F, WC
Ewell, P E, WC
Foster, C H, WC
Grant, P E, WC
Holsington, E P, WC
Metzger, Hope, WC
Mills, Olive E, WC
Royster, K J, WC
Trulock, Sue B, WC
Woodworth, C I, WC

MEDICAL

Arney, Glen K, MC
Cosand, H C, Jr, MC
Forrester, R H, MC
Hannum, W Y C, MC
Hanschild, T B, MC
Jahnke, E J, Jr, MC
Miller, Ray L, MC
Moyar, John B, MC
Murphree, H C, MC
Smith, D A P, MC
Stagg, James F, MC
Topacio, C S, MC

Navy Orders

From page 33—
Kirby, John J, Jr, AIRSHIPRON FOUR; to AWATKRON 33.
Koch, Henry C, AIRSHIPRON ONE; to AIRSHIPRON TWO.
Lord, Ronald K, NAVSEC MAAG TAIWAN TSOYING; to CO NAVMACORESTC JACKSON.
Marshall, Louis S, AIRTRANSRON 24; to AIRTRANSRON THREE.
Shockley, William E, AIRSHIPRON ONE; to HELANTISUBRON FIVE.
Shoff, Carl M, AEWPAAC; to NAS WILLOW GROVE.
Wilson, Embree D, Jr, AIRTRANSRON THREE; to NAVTRADEVICEN SANDS PT PORT WASHINGTON LI.
Wilson, Jennings B, Jr, NAS MFS; to AIRPAC TEM.
Baumann, Clifford M, STRIKFORSOUTH; to LANTRESFLT.
Berry, Fred T, CO USS RUNNER; to BUORD.
Chappell, Glen M, CARAEWRON 11; to

RADAR ATCEN NR SIX NAS QUONPT.
Cox, Robert F, AIRTRANSRON SEVEN; to NATRACOM NAS PNCLA.
Crawford, James H, Jr, BUAE; to NATRACOM NAS PNCLA.
Culp, Robert S, CO NAVRESTC WILKES BARRE; to NAS MFS.
Dellarocca, Peter N, OFC OF INFO NAV-DEPT; to UNCOM/USFORKOREA.
Deprez, Richard J, NELM; to AIRLANT TEM.
Guthrie, Charles E, NAS CORPC; to NA-TECHTU NAS PNCLA DUINS.
Jan, John, AIRSHIPRON ONE; to NAVHOSP PORTSMOUTH VA TRMT.
Jordan, Leroy K, STAFF CINCPACFLT; to JSTAFF CINCPAC.
Renaker, Earl E, Jr, AIRPAC; to AIRDEV-ROUN FOUR.
Robey, Clarence J, OIC HUTRON TWO, DET ONE; to NARESFAC ELLINGTON AFB.
Sahaida, John, AIRTRANSRON 22; to RAD.
Spinella, Glenn P, NAVFE; to NAVFOR-JAPAN.
Stumm, Donald D, (SC), PHILANAVSHIP-UD; to NSC NORVA.
Tarver, James E, 8ND TEM; to CO NAV-RESTC LAKE CHARLES.
Wason, Joel T, HELANTISUBRON TWO; to NAS SEATTLE.
Williamson, Warren D, NAVAVIONICSFAC INDPLS; to NAS OLAHE.
Workman, Robert D, (MC), NAVSCOL DEEP SEA DIVERS NGF WASHDC; to SUBRON THREE.
Wright, Cleon B, NAAS CABANISSFLD CORPC; to NARTU NAS LAKEHURST.
Benoit, Robert J, Jr, ADVTU 206 NAS PNCLA; to NAVPIC NAVRECSA WASHDC DUINS.
Conard, Barbara A, OPNAV; to 12ND.

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Virginia (Cont.)

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Services Have Seven Missiles In Operation

From first page—

and maintained in flight by a liquid sustainer motor. Batteries of Ajax are deployed around industrial, strategic and highly populated areas of the States.

HAWK (Raytheon Manufacturing Co.)—is the newest in the Army's missile family. It is 16 feet long and 14 inches in diameter. It is designed to destroy attacking planes at even the lowest altitudes and can be used at fixed positions or hauled along with troops.

NIKE-HERCULES (Western Electric Co., The Bell Telephone Laboratories, and Douglas Aircraft Co.)—the second land-based surface-to-air system, it can engage enemy planes at longer ranges and higher altitudes than the Ajax. The Hercules, a dart-shaped missile is 27 feet long with a 14.5-foot booster. Fired by remote control, the Hercules electronically acquires the target. It is shot to high speed by a solid propellant rocket and accelerated by a solid sustainer motor.

SURFACE-TO-SURFACE

CORPORAL (Firestone Tire and Rubber Co. and Gilfillan Brothers, Inc.)—can be fitted with a conventional or atomic warhead and engage targets more than 75 miles away. It is intended to give a battlefield commander the capability of striking deep in the enemy's rear. Corporal battalions—each consisting of 250 men and two batteries—have been deployed to Europe. The missile is powered by a liquid propellant motor.

REDSTONE (Chrysler Corp.)—which soon will be introduced into Field Artillery Missile Battalions, will extend and supplement the range and fire power of conventional guns. The conical-nosed missile is 69 feet long and has a diameter of about 70 inches. It travels at several times the speed of sound and can carry high explosives or atomic warheads.

JUPITER (Chrysler Corp.)—is an intermediate-range ballistic missile capable of being launched from land, which the Army Ballistic Missile Agency began to develop under a high priority early in 1956.

LACROSSE (Glenn L. Martin Co.)—is a general support field artillery missile for use in close tactical support of the Infantry. It can be brought to bear on a target as quickly as a 105mm howitzer. The weapon is powered by a solid propellant motor. The Lacrosse system includes the missile, a launcher mounted on a standard Army truck, and other ground equipment.

DART (Aerophysics Development Corp.)—is an anti-tank missile, designed to afford greater probability of a first round hit. A front line weapon, the Dart carries a warhead capable of destroying the heaviest known armor. It can be fired from a launcher mounted on a variety of vehicles.

NAVY

AIR-TO-AIR

SIDEWINDER (Philco Corp., and General Electric Co.)—is designed to operate against high-performance planes. It can destroy aircraft from sea level to altitudes of more than 50,000 feet. It will be employed in the defense of the continental United States and will be used by the Air Force. One of the Navy's least expensive missiles, the Sidewinder has few moving parts and no more electronic parts than a regular radio.

SPARROW I (Sperry Gyroscope Co.), **SPARROW II** (Douglas Aircraft), and **SPARROW III** (Raytheon Manufacturing Co.)—Type I is operational in the Fleet as a defense against attacks by jet bombers and fighters. It is about 12 feet long, weighs about 300 pounds, and is powered by a solid propellant motor. It can be used against single or groups of attacking planes. Type II is an experimental missile not intended for Fleet use. Type III is an improvement of Type I which soon will be placed into Fleet use.

AIR-TO-SURFACE

PETREL (Fairchild Engine and Airplane Corp.)—an operational missile which will be used chiefly against enemy ships at sea. It is launched by patrol planes out of range of the main body of the task force.

BULLPUP (The Martin Co.)—is the newest missile about which the Navy has



REGULUS II, Navy Guided missile, being prepared for a test flight on Muroc dry lakebed, Edwards AFB, Calif. Pre-flight check of telemetering and flight control instruments is made before firing the missile. The Chance Vought Regulus is powered by a Wright J-65 jet engine which propels it at more than one and a half times the speed of sound.

released details. It is being designed to be launched from attack aircraft well outside the range of enemy ground fire. It will be used in attacks against pillboxes, tanks, trucks, truck convoys, ships, rail marshalling yards and tracks.

SURFACE-TO-SURFACE

REGULUS I (Chance Vought Aircraft Co.) and **REGULUS II** (same company)—Type I, resembling a conventional swept-wing fighter about 30 feet long, was the Navy's first operational missile. It was designed for launching from various types of ships, including submarines.

Type II is an advanced version of Type I which fires further and faster. Since the introduction of Type II into the Fleet, Type I has been modified to a "recoverable" version as an economy move. Type I now is used primarily to train missilemen. It flies pilotless missions and lands to be flown again. As many as 16 flights have been made by a single missile.

POLARIS (Lockheed Aircraft Co., Aerojet General Corp., Massachusetts Institute of Technology, General Electric Corp., Interstate Electronic Corp., and Westinghouse Corp.)—is the Navy's Intermediate Range Ballistic Missile in the early stages of development. The objective of the program is to design a system which will be able to fire with pinpoint accuracy from a ship at sea. The problem is complicated by the fact that ships pitch and roll. A slight movement of the ship at the critical time of launching could throw a missile miles off its target.

SURFACE-TO-AIR

TERRIER (Convair Division of the General Dynamics Corp.)—is a needle-nosed weapon which can "home" in on attacking aircraft under all weather conditions. It travels at about 1,500 miles-per-hour and weighs about 1.5 tons. It has an effective range of approximately 10 miles. It is operational aboard the guided missile cruiser USS Boston and USS Canberra, and the guided missile destroyer USS Gyatt. Its automatic "coke-handling" system is a product of Northern Ordnance Inc.

TALOS (Bendix Aviation Corp.)—can carry either a conventional or atomic warheads. It is larger than the Terrier and has a longer range. It will form the major armament of the light cruiser USS Galveston which is undergoing conversion. The Galveston will be commissioned in April 1958. Two other missile cruisers will follow her into the Fleet a year later, the USS Little Rock and USS Oklahoma City.

TARTAR (Convair Division of the General Dynamics Corp.)—is a small missile

which will go aboard destroyers and serve as the secondary missile aboard larger ships. It will replace five-inch gun mounts. In March, the Navy announced that contracts had been awarded for construction of eight guided missile destroyers to carry Tartar.

AIR FORCE

SURFACE-TO-SURFACE

MATADOR (Glenn L. Martin Co.)—has been operational since March 1954. A subsonic weapon, it is 39.6 feet long and has a 28.7 foot wingspan. Designated the TM-61, it is controlled in flight by a ground crew and can deliver high explosives or atomic warheads to targets several hundred miles distant. The TM-61 is being replaced by the TM-61C which has a greater range and an improved guidance system. It travels at about 650 miles-per-hour and attains altitudes up to 35,000 feet.

SNARK (Northrop Aircraft, Inc.)—is a winged pilotless bomber and is the first U. S. long-range missile to be test flown. In production for assignment to the Strategic Air Command, it has been test flown in the neighborhood of 3,000 miles.

NAVAHO (North American Aviation, Inc.)—is a long-range strategic missile undergoing tests.

ATLAS (Convair Division of the General Dynamics Corp.) and **TITAN** (Glenn L. Martin Co.)—both are intercontinental ballistic missiles in the development stage.

THOR (Douglas Aircraft Co.)—is an intermediate range missile in the development stage. Many of the missile sub-components will be identical with the ICBM missiles. Use of ICBM parts is expected to reduce the overall cost of the program.

AIR-TO-AIR

FALCON (Hughes Aircraft Co.)—the six foot-long missile weighs slightly more than 100 pounds and is equipped with a solid rocket propellant motor. It is carried under the wing of a plane in a

pod and is electrically launched. It "homes" in on attacking planes and is operational in units of the Continental Air Defense Command.

AIR-TO-SURFACE

RASCAL (Bell Aircraft Corp.)—is a long-range missile designed to be carried by SAC bombers and released miles from an objective and to proceed at a high rate of speed.

SURFACE-TO-AIR

BOMARC (Boeing Airplane Co.)—is a long-range interceptor which travels at supersonic speed. It is launched vertically, cruises on twin ram-jet engines, and is guided to the target by the latest electronics systems. Its range enables it to kill enemy planes at far greater distances than any other missile in the Air Defense Command, to which it will be assigned.

MARINE CORPS

AIR-TO-AIR

Marine Corps planes carry both the **SPARROW** and **SIDEWINDER** missiles. As part of the Navy's air arm, Marine Corps Aviation standards in the air-to-air category are set by the Bureau of Aeronautics. Marine Aviation, however, is consulted and makes recommendations about missiles which it determines are best suited to its basic mission.

SURFACE-TO-AIR

The **TERRIER** missile is operational in Force level Marine Corps organizations. The Corps uses the Terrier as a mobile weapon and transports it and its trailer-launcher by truck for perimeter defense against enemy planes. In certain tactical situations, the missile would be sent down the line to the division level.

The Defense Department has revealed that the Marine Corps plans to adopt a mobile version of the Army's **HAWK** for defense against air attacks.

SURFACE-TO-SURFACE

Leatherneck missilemen are evaluating the **LACROSSE** missile as a possible close support weapon.

AF Needs 200,000 Vehicles To Fly

From page 9—

can no longer depend on huge stockpiles or slow moving surface convoys in support of a global Air Force deployed in supersonic flight. We can afford neither the time lag nor the vulnerability of such an operation. Support of our combat forces—whether with ground vehicles

or typewriters—must be done well, for in many cases logistics capabilities prescribe the boundaries of both strategic and tactical operations.

Requirements, procurement, distribution, control and maintenance of our world-wide vehicle fleet are team actions with a common mission—to keep 'em rolling to keep 'em flying.

Marine Corps Orders

From page 7—

From ForTrps, FMFLant:
Haislip, Richard E. Mickley, Thomas B. Martino, Frank W.

To NavAnTraCom NAS, CorpC, Tex
Humphrey, William D, 1st MarBrig.

From 2d MAW:
Brickner, Robt M. Stumpp, E. C. Jr.
Ferrington, G. B. Jr. Wall, Robert
Haines, Harold W. Welch, Charles A.

2D LIEUTENANT

Ball, Frank V, NAS Pncla, Fla, to 1st Mar Brig.
Holt, Donald E, NAS Pncla, Fla, to AirFMFPac.
Farner, Richard B, NAAS Kingsville, Tex, to AirFMFPac.
Johnson, William A, NAAS, Kingsville, Tex, to 1st Mar Brig.
Psaros, George C, NAAS, Kingsville, Tex, to MAG-31.
McKenna, William E, Jr, 2d MarDiv, to USS Bexar.
Romano, William P, 1st Mar Div, to USS Matthews.

To NavAnTraCom NAS CorpC, Tex

From 2d MAW:
Spilars, Early W. Clancy, John J.

To MCS, Quant, Va
Venters, Carl V, Jr, MAG-31.
From ForTrps, FMFPac:
Blackman, Arthur A, Davirro, Joseph V
From 1st Mar Div:
Dutcher, James W. Gamble, Robt B.
Fetherston, G. C. Ludlow, James L.

CHIEF WARRANT OFFICER

Chyba, W-3 Roy A, HqMC, MCB, CamPen.

WARRANT OFFICER

Miller, Edward H, 1st MAW, to 2d MAW.
Rust, Edward S, MCB CamPen, to MarBks NAS, Rota, Spain.

RETIRED

Hawkins, Maj Charles D, Jr, fr 6th MCRD.

to Temp Disab Ret List.
Knopes, Maj Henry L, fr MCAS, Miami, Fla.
Rossiter, Maj William M, fr MarPac.
Bartlett, Maj Harold, fr 2d MarDiv.
Trumble, Capt Frank C, fr MarBks NavB, Brem.
Foster, Capt John E, fr MarCorSupCen, Barstow.
McDonald, Capt James E, fr AirFMFPac.
Yoder, Capt Walter A, fr MCB, CamPen.
Bunker, Capt Wallace B, sr, fr MCB 2d Palms.
Edwards, CWO, W-4 Clarence M, Jr, fr MCAS, CherPt.
Bartuck, CWO, W-3 Frank A, fr AirFMFPac.
Wilson, CWO David P, fr MCB CamPen.
Beatty, CWO, W-4 William T, fr ForTrps FMFLant.
Gill, CWO, W-2 James S, fr MCS, Quant.
Mangogna, CWO, W-4 Peter, fr MCS, Quant.
Malone, CWO, W-3 Joseph H, sr, fr MCRD PI SC.
Agnone, CWO, W-4 Frank C, fr MCS, Quant.
Harrison, CWO, W-4 Willie S, fr MarBks NAS JAX.
Ziegler, CWO, W-4 Adolph, fr MarCorSup FWDAnnex, S Fran.

SAC Allocates Million For Welfare Activities

More than a million dollars in non-appropriated funds has been approved for distribution to SAC bases by the command welfare fund council.

More than half of the total, \$620,000, was awarded to the former Northeast Air Command bases recently assigned to SAC and now a part of the Eighth Air Force. They include Goose AB, Thule AB, Ernest Harmon AFB, Sondrestrom AB, and Narsarsuaq AB, plus tenant units at Frobisher Bay and Torbay, Canada.

The remainder, amounting to \$509,306, was approved for SAC's bases in the United States, and Ramey AFB, P. R.